



**Bid Number 50 - 00133558**

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT FOR POINT  
REPAIR/LINING. EMERGENCY SEWER RECONSTRUCTION AND CLEANING  
OF EXISTING SANITARY SEWERS FOR DEPT. OF SEWERAGE.**

**MARCH 23, 2021 at 2:00 pm**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions  
in the technical specifications and Jefferson Parish Instructions for Bidders and  
General Terms and Conditions. All bids must be received on the Purchasing  
Department's eProcurement site, [www.jeffparishbids.net](http://www.jeffparishbids.net), by the bid due date  
and time.**

**Donna Reamey  
[Dreamey@jeffparish.net](mailto:Dreamey@jeffparish.net)  
504-364-2684**

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

**FEMA CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY UNDER FEDERAL AWARDS REQUIRED BY 2 C.F.R. §200.326 APPENDIX II TO 2 CFR §200**

**REMEDIES**

(For all awarded contracts with a value greater than \$150,000.00)

Any violation or breach of terms of this contract on the part of the Contractor or the Contractor's subcontractors may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this contract. The duties and obligations imposed by the contract documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

Any violation or breach of terms of this contract of the Contractor or the Contractor's subcontractors will be subject to the remedies, including liquidated damages, described in the bid specifications or Request for Proposal and the Jefferson Parish General Terms and Conditions which are incorporated herein by reference in their entirety.

**TERMINATION FOR CAUSE AND CONVENIENCE**

(For all awarded contracts with a value greater than \$10,000.00)

Jefferson Parish reserves the right to terminate this contract for cause or convenience pursuant to the General Terms and Conditions which are incorporated herein by reference in their entirety.

**EQUAL EMPLOYMENT OPPORTUNITY**

(For all awarded contracts that meet the definition of "federally assisted construction contract" provided in 41 CFR Part 60-1.3)

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in



APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: *Provided*, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

### **DAVIS-BACON ACT AND COPELAND “ANTI-KICKBACK” ACT**

(The Davis-Bacon Act only applies to the emergency Management Preparedness Grant Program, Homeland Security Grant Program, Nonprofit Security Grant Program, Tribal Homeland Security Grant Program, Port Security Grant Program, and Transit Security Grant Program for all awarded construction contracts with a value greater than \$2,000.00. **It does not apply to other FEMA grant and cooperative agreement programs, including the Public Assistance Program.**)

#### ***(1) Minimum wages.***

(i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in §5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii) (A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) *Withholding.*

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

The Federal Agency and/or Jefferson Parish shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

*(3) Payrolls and basic records.*

(i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii) (A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the federal agency if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the federal agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually



APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

identifying number for each employee (*e.g.*, the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the federal agency if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the federal agency, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the federal agency or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) *Apprentices and trainees—*

(i) *Apprentices.* Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be



APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) *Trainees*. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) *Equal employment opportunity*. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) *Compliance with Copeland Act requirements*. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) *Subcontracts*. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) *Contract termination: debarment*. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) *Compliance with Davis-Bacon and Related Act requirements*. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

(9) *Disputes concerning labor standards.* Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) *Certification of eligibility.*

(i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

### **CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

(for all awarded contracts related to "mechanics and laborers" with a value greater than \$100,000.00)

**(1) Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

**(2) Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$25 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in sub paragraph (1) of this paragraph.

**(3) Withholding for unpaid wages and liquidated damages.** The federal agency and/or Jefferson Parish shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

**(4) Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

#### **RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT**

(This requirement **does not apply** to the Public Assistance, Hazard Mitigation Grant Program, Fire Management Assistance Grant Program, Crisis Counseling Assistance and Training Grant Program, Disaster Case Management Grant Program, and Federal Assistance to Individuals and Households -Other Needs Assistance Grant Program, as FEMA awards under these programs do not meet the definition of "funding agreement." If FEMA federal award meets definition of "funding agreement" under 37 CFR §401.2(a), for all awarded contracts related to experimental, developmental, or research work type contracts)

##### **(a) Definitions**

(1) *Invention* means any invention or discovery which is or may be patentable or otherwise protectable under Title 35 of the United States Code, or any novel variety of plant which is or may be protected under the Plant Variety Protection Act (7 U.S.C. 2321 *et seq.*).

(2) *Subject invention* means any invention of the *contractor* conceived or first actually reduced to practice in the performance of work under this *contract*, provided that in the case of a variety of plant, the date of determination (as defined in section 41(d) of the Plant Variety Protection Act, 7 U.S.C. 2401(d)) must also occur during the period of *contract* performance.

(3) *Practical Application* means to manufacture in the case of a composition or product, to practice in the case of a process or method, or to operate in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are, to the extent permitted by law or government regulations, available to the public on reasonable terms.

(4) *Made* when used in relation to any invention means the conception or first actual reduction to practice of such invention.

(5) *Small Business Firm* means a small business concern as defined at section 2 of Pub. L. 85-536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration. For the purpose of this clause, the size standards for small business concerns involved in government procurement and subcontracting at 13 CFR 121.3-8 and 13 CFR 121.3-12, respectively, will be used.

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

(6) *Nonprofit Organization* means a university or other institution of higher education or an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c) and exempt from taxation under section 501(a) of the Internal Revenue Code (25 U.S.C. 501(a)) or any nonprofit scientific or educational organization qualified under a state nonprofit organization statute.

(b) Allocation of Principal Rights

The *Contractor* may retain the entire right, title, and interest throughout the world to each subject invention subject to the provisions of this clause and 35 U.S.C. 203. With respect to any subject invention in which the *Contractor* retains title, the Federal government shall have a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world.

(c) Invention Disclosure, Election of Title and Filing of Patent Application by *Contractor*

(1) The *contractor* will disclose each subject invention to the *Federal Agency* within two months after the inventor discloses it in writing to *contractor* personnel responsible for patent matters. The disclosure to the agency shall be in the form of a written report and shall identify the *contract* under which the invention was made and the inventor(s). It shall be sufficiently complete in technical detail to convey a clear understanding to the extent known at the time of the disclosure, of the nature, purpose, operation, and the physical, chemical, biological or electrical characteristics of the invention. The disclosure shall also identify any publication, on sale or public use of the invention and whether a manuscript describing the invention has been submitted for publication and, if so, whether it has been accepted for publication at the time of disclosure. In addition, after disclosure to the *agency*, the *Contractor* will promptly notify the *agency* of the acceptance of any manuscript describing the invention for publication or of any on sale or public use planned by the *contractor*.

(2) The *Contractor* will elect in writing whether or not to retain title to any such invention by notifying the *Federal agency* within two years of disclosure to the *Federal agency*. However, in any case where publication, on sale or public use has initiated the one year statutory period wherein valid patent protection can still be obtained in the United States, the period for election of title may be shortened by the *agency* to a date that is no more than 60 days prior to the end of the statutory period.

(3) The *contractor* will file its initial patent application on a subject invention to which it elects to retain title within one year after election of title or, if earlier, prior to the end of any statutory period wherein valid patent protection can be obtained in the United States after a publication, on sale, or public use. The *contractor* will file patent applications in additional countries or international patent offices within either ten months of the corresponding initial patent application or six months from the date permission is granted by the Commissioner of Patents and Trademarks to file foreign patent applications where such filing has been prohibited by a Secrecy Order.

(4) Requests for extension of the time for disclosure, election, and filing under subparagraphs (1), (2), and (3) may, at the discretion of the *agency*, be granted.

(d) Conditions When the Government May Obtain Title



APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

The *contractor* will convey to the *Federal agency*, upon written request, title to any subject invention—

(1) If the *contractor* fails to disclose or elect title to the subject invention within the times specified in (c), above, or elects not to retain title; provided that the *agency* may only request title within 60 days after learning of the failure of the *contractor* to disclose or elect within the specified times.

(2) In those countries in which the *contractor* fails to file patent applications within the times specified in (c) above; provided, however, that if the *contractor* has filed a patent application in a country after the times specified in (c) above, but prior to its receipt of the written request of the *Federal agency*, the *contractor* shall continue to retain title in that country.

(3) In any country in which the *contractor* decides not to continue the prosecution of any application for, to pay the maintenance fees on, or defend in reexamination or opposition proceeding on, a patent on a subject invention.

(e) Minimum Rights to *Contractor* and Protection of the *Contractor* Right to File

(1) The *contractor* will retain a nonexclusive royalty-free license throughout the world in each subject invention to which the Government obtains title, except if the *contractor* fails to disclose the invention within the times specified in (c), above. The *contractor's* license extends to its domestic subsidiary and affiliates, if any, within the corporate structure of which the *contractor* is a party and includes the right to grant sublicenses of the same scope to the extent the *contractor* was legally obligated to do so at the time the *contract* was awarded. The license is transferable only with the approval of the *Federal agency* except when transferred to the successor of that party of the *contractor's* business to which the invention pertains.

(2) The *contractor's* domestic license may be revoked or modified by the *funding Federal agency* to the extent necessary to achieve expeditious practical application of the subject invention pursuant to an application for an exclusive license submitted in accordance with applicable provisions at 37 CFR part 404 and *agency* licensing regulations (if any). This license will not be revoked in that field of use or the geographical areas in which the *contractor* has achieved practical application and continues to make the benefits of the invention reasonably accessible to the public. The license in any foreign country may be revoked or modified at the discretion of the *funding Federal agency* to the extent the *contractor*, its licensees, or the domestic subsidiaries or affiliates have failed to achieve practical application in that foreign country.

(3) Before revocation or modification of the license, the *funding Federal agency* will furnish the *contractor* a written notice of its intention to revoke or modify the license, and the *contractor* will be allowed thirty days (or such other time as may be authorized by the *funding Federal agency* for good cause shown by the *contractor*) after the notice to show cause why the license should not be revoked or modified. The *contractor* has the right to appeal, in accordance with applicable regulations in 37 CFR part 404 and *agency* regulations (if any) concerning the licensing of Government-owned inventions, any decision concerning the revocation or modification of the license.

(f) *Contractor* Action to Protect the Government's Interest

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

(1) The *contractor* agrees to execute or to have executed and promptly deliver to the *Federal agency* all instruments necessary to (i) establish or confirm the rights the Government has throughout the world in those subject inventions to which the *contractor* elects to retain title, and (ii) convey title to the *Federal agency* when requested under paragraph (d) above and to enable the government to obtain patent protection throughout the world in that subject invention.

(2) The *contractor* agrees to require, by written agreement, its employees, other than clerical and nontechnical employees, to disclose promptly in writing to personnel identified as responsible for the administration of patent matters and in a format suggested by the *contractor* each subject invention made under *contract* in order that the *contractor* can comply with the disclosure provisions of paragraph (c), above, and to execute all papers necessary to file patent applications on subject inventions and to establish the government's rights in the subject inventions. This disclosure format should require, as a minimum, the information required by (c)(1), above. The *contractor* shall instruct such employees through employee agreements or other suitable educational programs on the importance of reporting inventions in sufficient time to permit the filing of patent applications prior to U.S. or foreign statutory bars.

(3) The *contractor* will notify the *Federal agency* of any decisions not to continue the prosecution of a patent application, pay maintenance fees, or defend in a reexamination or opposition proceeding on a patent, in any country, not less than thirty days before the expiration of the response period required by the relevant patent office.

(4) The *contractor* agrees to include, within the specification of any United States patent applications and any patent issuing thereon covering a subject invention, the following statement, "This invention was made with government support under (identify the *contract*) awarded by (identify the Federal agency). The government has certain rights in the invention."

(g) Subcontracts

(1) The *contractor* will include this clause, suitably modified to identify the parties, in all subcontracts, regardless of tier, for experimental, developmental or research work. The subcontractor will retain all rights provided for the *contractor* in this clause, and the *contractor* will not, as part of the consideration for awarding the subcontract, obtain rights in the subcontractor's subject inventions.

(2) In the case of subcontracts, at any tier, when the prime award with the Federal agency was a contract (but not a grant or cooperative agreement), the *agency*, subcontractor, and the contractor agree that the mutual obligations of the parties created by this clause constitute a contract between the subcontractor and the Federal agency with respect to the matters covered by the clause; provided, however, that nothing in this paragraph is intended to confer any jurisdiction under the Contract Disputes Act in connection with proceedings under paragraph (j) of this clause.

(h) Reporting on Utilization of Subject Inventions

The *Contractor* agrees to submit on request periodic reports no more frequently than annually on the utilization of a subject invention or on efforts at obtaining such utilization that are being made by the *contractor* or its licensees or assignees. Such reports shall



APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

include information regarding the status of development, date of first commercial sale or use, gross royalties received by the contractor, and such other data and information as the *agency* may reasonably specify. The *contractor* also agrees to provide additional reports as may be requested by the *agency* in connection with any march-in proceeding undertaken by the *agency* in accordance with paragraph (j) of this clause. As required by 35 U.S.C. 202(c)(5), the *agency* agrees it will not disclose such information to persons outside the government without permission of the *contractor*.

(i) Preference for United States Industry

Notwithstanding any other provision of this clause, the *contractor* agrees that neither it nor any assignee will grant to any person the exclusive right to use or sell any subject inventions in the United States unless such person agrees that any products embodying the subject invention or produced through the use of the subject invention will be manufactured substantially in the United States. However, in individual cases, the requirement for such an agreement may be waived by the *Federal agency* upon a showing by the *contractor* or its assignee that reasonable but unsuccessful efforts have been made to grant licenses on similar terms to potential licensees that would be likely to manufacture substantially in the United States or that under the circumstances domestic manufacture is not commercially feasible.

(j) March-in Rights

The *contractor* agrees that with respect to any subject invention in which it has acquired title, the *Federal agency* has the right in accordance with the procedures in 37 CFR 401.6 and any supplemental regulations of the *agency* to require the *contractor*, an assignee or exclusive licensee of a subject invention to grant a nonexclusive, partially exclusive, or exclusive license in any field of use to a responsible applicant or applicants, upon terms that are reasonable under the circumstances, and if the *contractor*, assignee, or exclusive licensee refuses such a request the *Federal agency* has the right to grant such a license itself if the *Federal agency* determines that:

- (1) Such action is necessary because the *contractor* or assignee has not taken, or is not expected to take within a reasonable time, effective steps to achieve practical application of the subject invention in such field of use.
- (2) Such action is necessary to alleviate health or safety needs which are not reasonably satisfied by the *contractor*, assignee or their licensees;
- (3) Such action is necessary to meet requirements for public use specified by Federal regulations and such requirements are not reasonably satisfied by the *contractor*, assignee or licensees; or
- (4) Such action is necessary because the agreement required by paragraph (i) of this clause has not been obtained or waived or because a licensee of the exclusive right to use or sell any subject invention in the United States is in breach of such agreement.

(k) Special Provisions for *Contracts* with Nonprofit Organizations

If the *contractor* is a nonprofit organization, it agrees that:

- (1) Rights to a subject invention in the United States may not be assigned without the approval of the *Federal agency*, except where such assignment is made to an organization

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

which has as one of its primary functions the management of inventions, provided that such assignee will be subject to the same provisions as the *contractor*;

(2) The *contractor* will share royalties collected on a subject invention with the inventor, including Federal employee co-inventors (when the agency deems it appropriate) when the subject invention is assigned in accordance with 35 U.S.C. 202(e) and 37 CFR 401.10;

(3) The balance of any royalties or income earned by the *contractor* with respect to subject inventions, after payment of expenses (including payments to inventors) incidental to the administration of subject inventions, will be utilized for the support of scientific research or education; and

(4) It will make efforts that are reasonable under the circumstances to attract licensees of subject invention that are small business firms and that it will give a preference to a small business firm when licensing a subject invention if the *contractor* determines that the small business firm has a plan or proposal for marketing the invention which, if executed, is equally as likely to bring the invention to practical application as any plans or proposals from applicants that are not small business firms; provided, that the *contractor* is also satisfied that the small business firm has the capability and resources to carry out its plan or proposal. The decision whether to give a preference in any specific case will be at the discretion of the *contractor*. However, the *contractor* agrees that the Secretary may review the *contractor's* licensing program and decisions regarding small business applicants, and the *contractor* will negotiate changes to its licensing policies, procedures, or practices with the Secretary when the Secretary's review discloses that the *contractor* could take reasonable steps to implement more effectively the requirements of this paragraph (k)(4).

(l) Communication

Any communications to be given hereunder by either party to the other shall be deemed to be duly given if set forth in writing and personally delivered or sent by mail, registered or certified, postage prepaid with return receipt requested, as follows:

Council Chair  
Jefferson Parish Council  
200 Derbigny Street, Suite 6200  
Gretna, Louisiana 70053

Written notices hereunder delivered personally shall be deemed communicated as of actual receipt; mailed notices shall be deemed communicated five (5) days after deposit in the mail, post prepaid, certified, in accordance with this Paragraph.

**CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

(for all awarded contracts with a value greater than \$150,000.00)

(1) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. and the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

Revised: 7-17-19

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

(2) The contractor agrees to report each violation to Jefferson Parish and understands and agrees that the Jefferson Parish will, in turn, report each violation as required to assure notification to the recipient, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

(3) The contractor agrees to include these requirements in each subcontract exceeding \$100,000.

#### **DEBARMENT AND SUSPENSION**

(Contractor must complete certification and submit with bid submission. Failure to do so will result in bid rejection.)

The Contractor represents and warrants that it and its subcontractors are not listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension."

#### **BYRD ANTI-LOBBYING AMENDMENT**

(for all awarded contracts with a value greater than \$100,000.00 and contractor must complete certification and submit with bid submission. Failure to do so will result in bid rejection.)

The Contractor certifies, to the best of his or her knowledge and belief that:

1. No federally appropriated funds have been paid or will be paid, by or on behalf of the contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
2. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the contractor shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. Contractor will include language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of \$100,000.00 shall certify and disclose accordingly.

#### **PROCUREMENT OF RECOVERED MATERIALS**

Revised: 7-17-19



APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

(for all purchase price of items exceeding \$10,000.00 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000.00)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA designated items unless the product cannot be acquired:

(i) Competitively within a timeframe providing for compliance with the contract performance schedule;

(ii) Meeting contract performance requirements; or

(iii) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products.htm>.

### **ACCESS TO RECORDS**

The following access to records requirements apply to this contract:

(1) The contractor agrees to provide Jefferson Parish, the recipient, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) The contractor agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.

### **DHS SEAL, LOGO, AND FLAGS**

The contractor shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA preapproval.

### **COMPLIANCE WITH FEDERAL LAW, REGULATIONS, AND EXECUTIVE ORDERS**

This is an acknowledgement that FEMA financial assistance will be used to fund the contract only. The contractor will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

### **NO OBLIGATION BY FEDERAL GOVERNMENT**

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.

### **PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS**

The contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the contractor's actions pertaining to this contract.

### **CONFLICT OF INTEREST**

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

### **BUY AMERICAN PROVISION**

Pursuant to 2CFR200, performance of the Buy American Provision, for all Federal Grants not only for the agricultural commodities:

**Definition of domestic commodity or product:** the term 'domestic commodity or product' means -

- \* An agricultural commodity that is produced in the United States; and
- \* A food product that is processed in the United States substantially using agricultural commodities that are produced in the United States.
- \* Any commodity required by the Federal Grant to be domestically manufactured; parts or equipment to be manufactured in the United States.

**The Department shall require that a school food authority purchase, to the maximum extent practicable, domestic commodities or products.**

1. The SFA and vendor shall comply with the **Buy American Provision** for all solicitations and contracts that involve the purchase of food, USDA Regulation (7 CFR Part 250 and 7 CFR Part 210). The vendor is required to utilize, to the maximum extent practicable, domestic commodities and products. This requirement pertains to component items. It does not include spices, sauces, etc.

The District participates in the National School Lunch Program and School Breakfast Program and is required to use the nonprofit food service funds, to the maximum extent practical, to buy domestic commodities or products for Program meals. A "domestic commodity or

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

product" is defined as one that is either produced in the U.S. or is processed in the U.S. substantially using agricultural commodities that are produced in the U.S. as provided in 7 CFR Part 210.21(d). Section 12(n) of the National School Lunch Act defines "domestic commodity or product" as an agricultural commodity that is produced in the U.S. and a food product that is processed in the U.S. Substantially means over 51% of the final processed product (by weight or volume) must consist of agricultural commodities that were grown domestically. The Buy American provision must be followed in all procurements where funds are used from the nonprofit food service account, whether directly by an SFA or on its behalf.

Exceptions to the Buy American provision should be used as a last resort; however, an alternative or exception may be approved upon request. To be considered for the alternative or exception, the request must be submitted in writing to a designated official, a minimum of day 14 days in advance of delivery. The request must include the:

A. Alternative substitute (s) that are domestic and meet the required specifications:

1. The product is not produced or manufactured in the U.S. in sufficient and reasonably available quantities of a satisfactory quality; or
2. Competitive bids reveal the costs of a U.S. product are significantly higher than the non-domestic product.



APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

Anti-Lobbying Form

**CERTIFICATION OF RESTRICTIONS ON LOBBYING**

I, \_\_\_\_\_, hereby certify on  
(name and title of bidder's official)

behalf of \_\_\_\_\_ that:  
(name of bidder)

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance is placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

By \_\_\_\_\_  
(signature of authorized official)

\_\_\_\_\_  
(title of authorized official)

APPENDIX A: The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement. As such Appendix A will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and included in the submission. Failure to do so will result in rejection. (BID #50-00133558), One (1) year pre-placed emergency contract for point repair/lining. Emergency sewer reconstruction, and cleaning of existing sanitary sewers.

Debarment/Suspension Form

**DEBARMENT/SUSPENSION CERTIFICATION**

**Debarment:**

Federal Executive Order (E.O.) 12549 "Debarment" requires that all contractors receiving individual awards, using federal funds, and all subrecipients certify that the organization and its principals are not debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency from doing business with the Federal Government. By signing this document you certify that your organization and its principals are not debarred. Failure to comply or attempts to edit this language may disqualify your bid. Information on debarment is available at the following websites: [www.sam.gov](http://www.sam.gov) and <https://acquisition.gov/far/index.html> see section 52.209-6.

Your signature certifies that neither you nor your principal is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

\_\_\_\_\_  
(Name and Title of bidder's official)

\_\_\_\_\_  
(Name of bidder/company)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Address)

PHONE \_\_\_\_\_ FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

**SPECIFICATIONS FOR  
EMERGENCY POINT REPAIR, LINING, EMERGENCY SEWER RECONSTRUCTION, AND CLEANING  
OF EXISTING SANITARY SEWERS, INCLUDING SERVICE LATERALS AT SCATTERED LOCATIONS  
IN JEFFERSON PARISH DAMAGED AS A RESULT OF A  
NATURAL DISASTER OR OTHER STATE OF EMERGENCY  
JEFFERSON PARISH DEPARTMENT OF SEWERAGE**

**1.0 GENERAL CONDITIONS:**

**1.1 SCOPE OF WORK:**

These specifications are for emergency replacement, repair, cleaning, and lining of existing sewer lines and work incidental thereto to assist the Department of Sewerage work crews only during Natural Disasters or Other State of Emergencies. No work is guaranteed under this contract and actual quantities used may fall below or exceed the estimated quantities listed on the bid form. All work covered under this contract must conform to Jefferson Parish Engineering Department standard detail sheets, available in the Jefferson Parish Engineering Department.

The Contractor is made aware that, because of the nature of this contract, it will be necessary to make repairs on an Emergency 24 hour, seven (7) days a week, nights, week-ends, and holiday basis. There will be no extra compensation for repairs during these events. The Contractor must have two (2) contact employees; one primary and one back-up, on a 24 hour basis available to coordinate work initiation.

The contract will be awarded to the lowest responsible bidder complying with all provisions of this invitation, providing the bid is reasonable and that it is in the best interest of Jefferson Parish to accept. The Parish of Jefferson reserves the right to accept or reject the bid in whole or part.

Purchases for this project shall be exempt from state sales and use tax according to La. R.S. 47:301(8)(c)(i). The successful bidder shall be granted the tax-exempt status of Jefferson Parish via Form R-1020, Designation of Construction Contractor as Agent of a Governmental Entity Sales Tax Exemption Certificate. Form R-1020 is distributed by the Louisiana Department of Revenue.

The Department of Sewerage's Director shall assign a person and/or persons to be the Project Manager.

There will be no PRE-BID CONFERENCE.

**1.2 LICENSE:**

The Contractor's State License shall be in the category of:  
Municipal and Public Works Construction.

**NOTE-** Louisiana State Contractors License number shall be on the outside of the bid envelope. The license number must be entered in the appropriate field in the Electronic Procurement System. Failure to comply will cause the bid to be rejected.

### 1.3 BONDS:

Contractor will be required to furnish a 5% surety with bid submission. This shall be 5% of the total of the bid submission. Vendor must submit an electronic bid bond through the respective online clearinghouse bond management system as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.

Contractor will furnish a performance bond in an amount of 50% of the contract price, for any and all Notices to Proceed, within 24 hours of the Contractor's receipt of the Notice to Proceed. In addition, contractor will furnish a labor, material, and payment bond in an amount of 50% of the contract price, for any and all Notices to Proceed, within 24 hours of the Contractor's receipt of the Notice to Proceed. If, due to emergency conditions, the Contractor cannot obtain and furnish the bonds within 24 hours, the Contractor shall provide written justification for the delay and obtain the bonds as soon as possible. In no case will any payment be issued for work performed by the Contractor until both bonds have been furnished. The cost of the bond premiums will be the responsibility of the Contractor.

### 1.4 FAMILIARIZATION WITH THE WORK:

The Contractor shall be aware that Jefferson Parish has prepared documents for the East and West Bank which contains emergency operation and flow information. These documents provide the pumping capacities, hierarchy of both the East and West Bank Sewerage Systems, the generator requirements of each lift station, the availability of emergency pump out connections and a proposed emergency situation plan. While the information contained in this document is not warranted to be exact, it is imperative that the prospective bidders familiarize themselves with this document in order to fully understand and price his bid. These emergency documents are available for review at the Jefferson Parish Department of Sewerage.

Before submitting bid, each prospective bidder shall familiarize themselves with the work, local labor conditions and all laws, regulations, Jefferson Parish Engineering Department standard detail sheets, and other factors affecting performance of the work. Contractor shall carefully correlate his observations with the requirements of the contract documents and otherwise satisfy themselves of the expense and difficulties for performance of the work. The submission of a bid will constitute a representation of compliance by the bidder. There will be no subsequent financial adjustment for lack of such familiarization.

### 1.5 CONTRACT TIME:

The contract time is for one (1) year. Start day shall be June 1, 2021 and contract will end May 31, 2022. If a new contract has not been executed by May 1<sup>st</sup>, the existing contract shall automatically extend until the end of the calendar year.

### 1.6 SUB-CONTRACTORS:

All bidders wishing to use the services of sub-contractors must submit a complete list of all sub- contractors with their bid. **If no subcontractors will be used, a statement to that effect must be submitted with the bid. Failure to submit a sub-contractor's list will result in bid rejection. This is a mandatory requirement.**

**1.7 WORK SCHEDULING:**

Contractor must be prepared to begin construction within two (2) days after a Natural Disaster or Other State of Emergency. Because of the nature of this contract, it may be necessary for the contractor to respond to emergencies (set up personnel, equipment, contacts, etc.) immediately upon notification, within twenty-four (24) hours of call out. In the event of a hurricane/tropical storm, it is the responsibility of the contractor to contact appropriate Parish personnel at the Emergency Operations Center (EOC), either by phone at (504) 349-5360, or in person at 910 3<sup>rd</sup> Street, Gretna, Louisiana, within 24 hours of landfall to determine if services will be required. In the event of a sudden natural disaster or other State of Emergency, appropriate Parish personnel will contact the contractor if services are required.

Failure of the Contractor to meet the above time constraints may result in the following:

- a. Have the work performed by others and back charged to the Contractor
- b. Contract termination

The failure of Jefferson Parish to assert a breach for the failure of the Contractor to perform at anytime shall not be construed to be a waiver of Jefferson Parish's rights hereunder. Each work order or request by the Director, Assistant Director, or Project Manager will designate a job number. All correspondence, billing, etc. pertaining to the work shall reference this job number designation.

If the Contractor does not diligently proceed with the work, then the issuance of additional work will be withheld.

**1.8 JEFFERSON PARISH GENERAL SPECIFICATIONS:**

The general specifications for these contract documents are set forth in Jefferson Parish Council Resolution No. 113647, as amended. The resolution is not reproduced herein. However, bidders shall be presumed to have full knowledge of these general conditions. Copies are, at all times, available with the Clerk of Jefferson Parish Council, General Government Building, 200 Derbigny Street, Suite 6600, (504) 364-2626.

**1.9 LIQUIDATED DAMAGES:**

Because of the nature of this emergency basis contract, liquidated damages will not be assessed. If the Contractor should fail to complete issued work orders in a timely manner and to the satisfaction of the Parish, the issuance of additional work orders will be withheld, and may result in contract termination.

**1.10 RETAINAGE:**

Pursuant to LSA R.S. 38:2248, Owner shall retain the following percentages of each progress payment until payment is due under the terms and conditions governing substantial completion or final payment.

Contract Amount	Retainage
\$0 - \$1,000,000	10%
\$1,000,000 or greater	5%



**1.11 PROCEDURE FOR NEW PRODUCT CONSIDERATION:**

The primary objective of this contract is to clean, video inspect, and to rehabilitate sewers on which repairs will be very expensive and/or disruptive; i.e. the critical sewers. Preventive maintenance on these sewers will greatly reduce the risk of such failures occurring. The secondary objective of this contract is to institute a systematic long-term plan to reduce excessive infiltration/inflow into the sewer system, and to preserve the structural integrity of the sewer system. It is also the objective of the Parish to maintain 100% of the existing sanitary sewer pipe's flow capacity, when possible, after completion of rehabilitation, and to minimize the public exposure to disruption, inconvenience, and health hazards. For these reasons, certain methods of rehabilitation have been pre-selected as being in the best interest of the Parish, and it is critical that both the Product and the Installer have the ability to meet, or exceed all requirements of the Parish.

**1.12 NEW PRODUCT CONSIDERATION:**

**A. Minimum Entry Policy**

As a public agency the Parish has a responsibility to the taxpayers to avoid the expenditure of public funds for researching or developing commercial products, and to avoid competition with private laboratories for developmental testing of commercial products. The following section covers the minimum standards, which all new pipe or manhole rehabilitation processes, not previously accepted by the Parish, must meet.

A bidder may propose a proven alternate Product and installing company instead of the procedures described in the Technical Specification for consideration as "equal". Such a proposal will be accepted by the Parish, if it has been approved as an equal to the methods described in this Specification, and satisfactory evidence has been submitted to the Parish that the Product and Installer complies with the New Product Qualifications requirements. This approval must come from the Jefferson Parish Department of Sewerage.

**1.13 REQUIREMENTS FOR THE PIPE LINING PRODUCT:**

- A. Any proposed Product must be capable of rehabilitating sanitary sewer mainlines from 6 inch to 60 inch diameters, and 4 inch & 6 inch sanitary sewer laterals. The Product must be of the cured-in-place type.
- B. Any proposed Product must also meet the following requirements:
  - 1. The liner must restore structural integrity of lightly or heavily deteriorated sewer pipe of all common types, Concrete, Vitrified Clay, Iron, PVC, etc.
  - 2. All rehabilitation of mainlines and laterals must be done completely trenchless-no excavation.
  - 3. The installed liner must be tight-fitting throughout its length.
  - 4. The liner must be capable of being installed around bends and offsets in the pipe. It must also be capable of diameter transitions within a



manhole segment.

5. The liner must be capable of being installed in a wide variety of wall thickness' to meet the variety of field conditions encountered in the Parish.
  6. The lined pipe must maintain at least 100% of the flow capacity of the host pipe when new. An in-ground independent third party test shall be provided to support this.
  7. The liner must meet or exceed all physical property standards, flow, corrosion, design life, installation, other quality standards, as exhibited by the specified Product, or as otherwise described herein, or listed below.
- C. Sewer rehabilitation Products submitted for consideration must provide Third Party Test Results supporting the long-term performance and structural strength of the Product. Such data shall be satisfactory to the Parish. Test samples shall be prepared so as to simulate installation methods and the trauma of Product installation. Laboratory samples will not be acceptable.
- D. Short-term tests can be extrapolated using actual short-term test data and applicable ASTM Standards or plastic pipe. This specification references ASTM test methods, which are made a part thereof by such reference and shall be the latest edition and revision thereof.

**1.14 REQUIREMENTS FOR THE INSTALLER:**

- A. To be considered as an acceptable equal, any proposed installing company (Installer) must meet the following minimum requirements:
1. Prospective Installer must be willing to install a test section in a minimum of 300 linear feet of 8-inch sanitary sewer main line for review by the Parish. This test will be at no charge to the Parish. The test will be used to evaluate installation techniques; installation associated material trauma; public disruption compatibility with current Parish standards; and all project requirements as detailed throughout this specification. A restrained sample of the installed material will be tested as per modified ASTM D-790 and the results submitted to the Parish for review prior to any approval. Contractor shall prepare and submit both pre-rehabilitation and post-rehabilitation video inspections of the test main line section prior to the installation of the proposed service connection rehabilitation Products.

This test line section must include a minimum of six service connections. The prospective Installer shall re-establish all service connections to the satisfaction of the Parish.

The prospective Installer must also rehabilitate by CIPP, two laterals by each of the three (3) lateral reconstruction methods identified in the Technical Specifications in the mainline test section above.

If the test section is successfully installed to the satisfaction of Jefferson Parish,

and the Installer is awarded the bid, the Installer will be paid for this test at the unit prices bid in the Contract.

2. The Installing Company must satisfy all insurance and bonding requirements of Jefferson Parish.
3. This specification references ASTM test methods, which are made a part thereof by such reference and shall be the latest edition and revision thereof.
4. Prior to installing any product considered equal, the proposed Installer shall submit statement as to country origin of all materials used to produce the final installed Product.
5. Prior to installing any product considered equal, the proposed Installer shall provide detailed installation procedures and specific procedures for rehabilitation of mainlines, rehabilitation of service laterals, internal re-establishment of laterals, and installation of new service connections on lined pipe.
6. Prior to installing any product considered equal, proposed Installer shall submit a narrative description of typical modes of failure for the proposed Product. This narrative should include typical and suggested means of repair along with brief description of both the causes of the potential failure and effectiveness of proposed repairs.
7. Prior to installing any product considered equal, proposed Installer shall submit a narrative description of limitations of the proposed Product. The narrative should include a minimum of suitable diameter ranges, degree of host pipe integrity required, job site installation limitations, depth limitations, required obstacle removal, point repairs, etc.
8. Prior to installing any product considered equal, proposed Installer must submit any Inflow/Infiltration reduction case studies documenting quantifiable results of rehabilitation with the proposed Products.

**1.15 DATA SUBMITTAL:**

All requests and data submittals for consideration of new Products and Installers as "equal" shall be submitted to the Department of Sewerage prior to installation of any such products.

**1.16 EMERGENCY PERSONNEL REQUIREMENTS:**

The work demands of this contract will require the Contractor to be able to respond to emergencies within one hour of notification. The Contractor is responsible for insuring that all personnel are self-sufficient, that is, provides for all equipment, materials, and services necessary to sustain its employees at all times. This includes, but is not limited to, the provision of adequate housing, food, transportation, sanitary facilities, and fuel.

**1.17 SCHEDULING WORK:**

Work under this contract will be released by Work Orders or under the direction of the Director, Assistant Director, or the Project Manager. Work Orders will include available maps and instructions for the exact work to be done, provided the computer systems (work order programs) are up and running. The maps will reflect the approximate location and existing conditions of utilities, if available.

The Contractor performing work under this contract shall be required to coordinate his operations with the designated Project Manager. If possible, the Contractor shall notify residents by (fliers, door hangers, etc.) a minimum of 24 hours prior to commencing work on any work issued work by the Parish. Additional notification periods for various items of work can be found in the specifications.

Once work has begun at a specific location, the Contractor must diligently pursue the work to be done until the work is completed. The Parish reserves the right to order the Contractor to dispatch additional men and equipment to the job site if, in the opinion of the Project Manager, work is not proceeding in an orderly manner. The Parish may order the Contractor to employ additional crews in order to complete the work.

The Director has the right to require the Contractor to remove incompetent employees from the jobsite.

Some manholes may have been paved over or otherwise covered up, may exist, may not be correctly shown in the Parish plans, or may be shown as a clean-out, or vice versa. The Contractor shall make a reasonable, good faith effort to locate the manholes. The uncovering and raising of manholes may be performed by the Parish or the Parish's designated Contractor. The Contractor shall complete an "Unable to Complete Assignment" form and turn it in to the inspector.

#### **1.18 WORK BY OTHERS:**

The Contractor performing work under this contract shall be required to coordinate his operations with all Parish Public Works Departments, as may be required. The Parish is not restricted from utilizing its own personnel and equipment; the personnel or equipment of other governmental entities; or, of any other entities or contractors, when the services performed by those entities can be performed with greater speed or less cost to the Parish.

The parties are entering into a non-exclusive contract and the Parish retains the right to obtain similar services from additional providers, if necessary. The parties intend the Parish to procure other services from contractors when to do so would result in services being obtained in a more prompt and economic manner, due to the emergency nature of the work.

#### **1.19 NOTIFICATION OF RESIDENTS:**

The following steps for notification of the citizenry and involvement of local officials shall be required. If possible, twenty-four to forty-eight hours prior to starting work, a hand-bill, announcing and describing the work will be distributed to each household or commercial establishment located in the area. Close communications between the Contractor, Parish and local officials, the Sheriff's Office, and Fire Department shall be maintained to ensure that no major problems arise.

Any fire stations located in the area of testing should also be notified daily by the Contractor, prior to smoke testing. The scheduled work for the day and the general area of testing should be indicated 24-hours in advance. Hospitals, nursing homes, and schools must be notified, by the Contractor, the day of testing no less than one (1) hour prior to the actual test.

**TECHNICAL SPECIFICATIONS  
SECTION 1  
SCOPE OF WORK**

**1.01 GENERAL:**

The work to be performed on this contract shall consist of replacement or restoration of existing sewer mains (gravity or force) by Point Repair; the restoration of roadways, driveways, sidewalks, and ground cover (sod) associated with the work; cleaning, television inspection, root removal, and dye-water flooding; smoke testing of gravity sanitary sewer; cleaning and physical inspection of manholes and wet wells; rehabilitation of sewer manholes and wet-wells; and reconstruction of sanitary sewers by installing a cured-in-place (CIPP) using one of two approved processes, Insituform or National Liner, or approved alternate, damaged by an event or natural disaster designated as a State of Emergency.

**1.02 SPECIAL COMPUTER SOFTWARE REQUIREMENTS:**

The Owner is utilizing certain licensed computer software programs to assist in management of the sanitary sewer system. The Contractor will need to utilize a system compatible with Lucy and Peninsular Technology, Inc. to electronically store all data obtained from evaluation and rehabilitation tasks. The Project Manager will provide the Contractor with any special instructions regarding the use of the Lucy system, per Section 25. Contractor will be responsible for all costs and licenses associated with these programs.

Upon request by the Project Manager, not more than once a week, the Contractor shall deliver to the Project Manager a computer CD containing all field inspection data collected during that week. This data shall include: smoke tests, television inspections, manhole inspections, cleaning, lining work, etc. All data supplied on CD must be grouped by individual work order number, by sewer lift station number, and manhole number.

**TECHNICAL SPECIFICATIONS  
SECTION 2  
MEASUREMENT AND PAYMENT**

**2.01 GENERAL:**

Payment for the various items of the Bid Schedule shall include all compensation to be received by the Contractor for furnishing all tools, equipment, supplies, and manufactured articles, and for all labor, operations, and incidentals related to the items of work being described. No separate payment will be made for any item that is not specifically set forth in the Bid Schedule and all costs therefore shall be included in the prices named in the Bid Schedule for the various items of work.

**2.02 ESTIMATED QUANTITIES:**

This is a unit price emergency contract and the quantities shown on the "Bid Form" are for comparison of bids only. Items of work performed under this contract will be on an as needed basis and actual quantities installed may vary significantly from the quantities stated in the Bid Form (Quantities shown may be increased, decreased, or not used at all.)

**2.03 PHYSICAL INSPECTION OF MANHOLES, CATCH BASIN & WET WELLS:**

A. Measurement: Measurement for payment of physical inspection of manholes, catch



basins, and wet wells will be per each structure inspected.

- B. Payment: Payment for this item will be made at the contract unit bid price per each and shall constitute full compensation for all labor, materials, and equipment required to complete this item as specified in Section 3.

**2.04 SMOKE TESTING:**

- A. Measurement: Measurement for payment of smoke testing shall be made per linear foot, with measurement being made between centerlines of consecutive manholes for the line segment tested.
- B. Payment: Payment for smoke testing will be made at the unit bid price per linear foot of pipe tested, in accordance with these specifications and shall constitute full compensation for supplying all necessary labor, materials, equipment, and incidentals.

**2.05 DYE-WATER FLOODING:**

- A. Measurement: Measurement for payment of dye-water flooding will be made per hour required to complete the task specified for each individual work order. A two-hour minimum will be allowed for each work order.
- B. Payment: Payment for dye-water flooding will be made at the unit bid price per hour and shall constitute complete compensation for all labor, materials, and equipment required to complete this testing, as specified herein.

**2.06 CLEANING SANITARY SEWER LINES:**

- A. Measurement: Measurement for payment of cleaning sanitary sewer pipe and associated manholes shall be per linear foot, with measurement being made between centerlines of consecutive manholes for the line segments and manholes cleaned.
- B. Payment: Payment for cleaning sanitary sewer lines and associated manholes shall be made at the unit bid price per linear foot for various pipe sizes and debris level, without regard to pipe type. Payment shall constitute full compensation for all labor, materials, and equipment necessary to complete this item of work, as specified herein and shall include all costs associated with debris removal and disposal.

**2.07 CLEANING WET WELLS:**

- A. Measurement: Measurement for payment of cleaning wet wells will be per gallon required to complete the task specified for each individual work order. This task is for cleaning the wet wells of all sewage and debris in the wet well. This method will only be used in cases where no other method of emergency sewer service is available.
- B. Payment: Payment for cleaning wet wells shall be made at the unit bid price per gallon and shall constitute complete compensation for all labor, materials, and equipment necessary to complete this item of work as specified herein, including the disposal of the sewage and debris removed.

**2.08 SEWAGE REMOVAL FROM SEWERAGE SYSTEM:**

- A. Measurement: Measurement for payment of sewage removal from sewerage system,

including wet wells, will be per gallon required to complete the task, by vacuum truck or large pumping truck, as specified in the work order, or as directed by the Director, Assistant Director, or Project Manager.

- B. Payment: Payment for removal of sewage from the sewerage system, mainlines, manholes, and wet wells, shall be made at the unit bid price per gallon and shall constitute complete compensation for all labor, materials, and equipment necessary to complete the item of work, as specified herein, including the disposal of the sewage and debris removed.

**2.09 RADIAL VIEW COLOR CAMERA EVALUATION VIDEO:**

- A. Measurement: Measurement for payment of radial view color camera evaluation video will be made per linear foot, with measurement being made between centerlines of consecutive structures for the line segments televised. The use of a radial view color camera will be specifically directed by the Project Manager.
- B. Payment: Payment for radial view color camera evaluation video will be made at the unit bid price per linear foot and shall constitute full compensation for all labor, materials, and equipment necessary to complete the item specified.

**2.10 TELEVISION INSPECTION WITH DYE-FLOODING OR EXFILTRATION:**

- A. Measurement: Measurement for payment of television inspection with either dye-flooding or exfiltration testing shall be per linear foot, with measurement being made between centerlines of consecutive manholes for the line segments televised.
- B. Payment: Payment for television inspections with either dye-flooding or exfiltration testing shall be made at the unit bid price per linear foot for the various sizes of sanitary sewer lines televised. It shall include complete compensation for all labor, materials, and equipment necessary to complete this item of work, as specified herein.

**2.11 REMOTE ILLUMINATION OF 15 INCH THRU 24 INCH PIPE:**

- A. Measurement: Measurement for payment of remote illumination pipe inspection will be made per each pipe section inspected. This item will typically be performed on pipe sections of less than fifty (50) feet in length.
- B. Payment: Payment for remote illumination pipe inspection will be made at the unit bid price for each pipe section inspected.

**2.12 ADDITIONAL SET UP FOR TELEVISION INSPECTION:**

- A. Measurement: Measurement for this item will be made per each additional setup required, due to an obstruction in the line being televised. Initial setup for inspection required for normal operation will not be measured separately nor included in this item.
- B. Payment: Payment will be made at the unit bid price per each additional setup required. Separate payment will be made for the actual linear footage of line televised due to a "reverse Setup".

**2.13 INSTALLATION OF CURED IN PLACE PIPE (CIPP) FOR MAIN LINES:**

- A. Measurement: Measurement for payment of installation of CIPP will be made per

linear foot, as measured between centerlines of consecutive structures for the line segment replaced.

- B. Payment: Payment for CIPP insertion will be made at the unit bid price per linear foot for the sizes and thickness of CIPP installed, in accordance with these specifications. Payment for installation of CIPP shall be for pre-inversion cleaning, pre and post inversion television inspection, wet out of liner, curing of liner, cutting ends, sealing CIPP in manholes, testing and cleanup, and in accordance with the bid unit prices for the various pipe sizes. Additional compensation will be made for initial cleaning and pipe inspection, in accordance with the bid unit prices for these items.

Item No. 20 will be used for 8 inch vitrified clay pipe only. Item No. 21 will be used for all other types of 8 inch pipe.

There will be no direct payment for sewer bypass up to, and including the first 4 inch pump. If more than one 4 inch pump or a larger pump is required to adequately handle the flow, the Contractor will be paid at the bid unit prices for each size pump setup and at the appropriate hourly operating rate as approved by the Project Manager.

There will be no direct payment for pre-television inspection of sewer mainline prior to lining. Cost shall be incidental to work.

#### **2.14 ADDITIONAL THICKNESS FOR CURED IN PLACE PIPE (CIPP):**

- A. Measurement: Measurement for payment of installation of additional thickness of CIPP will be made per linear foot, as measured between centerlines of consecutive structures for the line segment lined with additional thickness.
- B. Payment: Payment for additional thickness of CIPP will be made at the unit bid price per linear foot for the sizes and additional thicknesses of CIPP installed, in accordance with these specifications. Payment for pre-inversion cleaning, pre and post inversion television inspection, wet out of liner, insertion of liner, curing manholes or wet-well, testing, cleanup, and bypass pumping, will be paid for under separate bid items. Payment for this item will only be made if the additional thickness is approved by the Owner, prior to insertion.

#### **2.15 CURED IN PLACE PIPE (CIPP) RE-CONSTRUCTION OF SERVICE LATERALS:**

- A. Measurement: Measurement for payment of CIPP Re-construction of service laterals will be on a per each basis for each performed, up to 35 feet in length and on a linear foot basis for lengths which exceed the initial 35 feet, with the exception of a "short segment" reconstruction from mainline, which will be defined as the installation of a "top hat" seal, and lateral lining up to 5 feet in length. The "short segment" re-construction will include a standard cut of the lateral at the mainline.
- B. Payment: Payment for CIPP Re-construction will be made at the unit bid price, either on a per each basis for the range specified, or a linear foot basis for lengths in excess for the range specified, for CIPP installed in accordance with these specifications. Payment for CIPP Re-construction will be for pre-inversion cleaning, pre-inversion inspection, wet out of CIPP, insertion of CIPP, curing of CIPP, cutting ends, sealing CIPP in cleanouts and mainline, testing, and cleanup; and, in accordance with the unit bid prices for the various pipe lengths. Additional payment for "Setup for Lateral Re-construction from Mainline by CIPP" will be made for each "Setup" of equipment. The actual number of laterals reconstructed from this "Setup" may vary from 1 to 20.

**2.16 SEWER FORCE MAIN REHABILITATION BY REINFORCED CURED-IN-PLACE PIPE (CIPP):**

- A. Measurement: Measurement for payment of installation of Sewer Force Main Rehabilitation by Reinforced CIPP will be made per linear foot, as measured between centerlines of consecutive structures or access points for the line segment repaired. End seals will be on a per each basis.
- B. Payment: Payment for Sewer Force Main Rehabilitation by Reinforced CIPP insertion will be at the unit bid price per linear foot for the sizes and thickness of the RCPP installed, in accordance with these specifications. Payment will include the pre-inversion cleaning, pre and post inversion video inspection, wet-out, insertion, curing and end cut of the RCPP; testing, cleanup, and all required end seals. Initial cleaning will be compensated in accordance with the unit bid price for the closest diameter sewer cleaning pay items.

**2.17 SERVICE RECONSTRUCTION/REPLACEMENT STACK BY EXCAVATION:**

- A. Measurement: The unit bid price for Service Reconstruction/Replacement by excavation will be measured per each. Reconnection by excavation method will include the stack and up to eight (8) feet of service line, as necessary. Measurement will also be based on the various depths in increments of zero (0) up to six feet (6'), over 6 feet (6') to ten feet (10'), and over ten feet (10') deep, for all types and sizes of sewers, as shown.

Depth of Bury is to measure from Natural Ground Level to the Flow Line of the Sanitary Sewer Main at the Point of Reconnection. The minimum trench width shall be three feet (3') – zero inches (0").

One or more connections discharging into a common point will be considered as one house/building service connection. The Contractor will not be allowed to increase the number of service reconnections. This item also includes, as incidental to the work, field locating all live service connections from the ground in portions of the sanitary sewer that cannot be negotiated with the TV camera or where the camera was submerged.

- B. Payment: Payment for service reconnection excavation shall be made at the contract unit bid price per each, based on various depth increments. Payment shall be full compensation for locating service connections, material, sheeting and bracing, dewatering, labor, equipment, and incidentals necessary to provide a complete service reconnection.

**2.18 SERVICE LINE REPAIR:**

- A. Measurement: Measurement for the work items listed below will be per each work item completed, or on a linear foot basis for lengths which exceed those indicated. The measured quantity shall include, but not be limited to, sheeting and shoring, repair of service line, removal and replacement of drainage features, and any other incidentals necessary to complete the various work items. Pavement replacement will be paid under separate pay items.

- 42. Repair/adjust cleanout – Per Each
- 43. Installation of Sewer Cleanout Type 1 - Per Each
- 44. Replace Section of Service Line – Per Each



- 45-56. Restore 6"-24" Main by Point Repair, Per Each and Beyond— Per Linear Foot
- 59-68. Restore 4" – 24" Sewer Force Main by Point Repair – Per Linear Foot

- B. Payment: Payment for service line repair will be made by the unit bid price per each repair made for all sizes of service lines, for all depths. The minimum length of service line point repair shall be eight (8) feet. The minimum trench width shall be 3' – 0". No separate pay will be made if the work is done within the limits of service line reconnection.

Payment for main line point repair shall be made by the unit bid price per each repair for varying depths. Depth of repair is determined by averaging the invert elevation of the sewer line at the upstream and downstream manholes of the repair. The pay length of each repair shall be eight (8) feet. Beyond Point Repair will be paid per linear feet for each repair which exceeds eight (8) feet in length.

All pipe fittings, adapters, concrete collar, bedding, and removal and replacement of grass sodding required shall be considered incidental to service line repair.

If no pay item is included for any work required to properly complete a service line repair as specified, the cost to perform said work, including any required removal and replacement of materials, shall be considered incidental to the service line repair.

Payment will be made under:

- 42. Repair/Adjust Cleanout – Per Each
- 43. Installation of Sewer Cleanout – Type 1 – Per Each
- 44. Replace Section of Service Line – Per Each
- 45-56. Restore 6" – 24" Main by Point Repair – Per Each, and Beyond – Per Linear Foot
- 59-68. Restore 4" – 24" Sewer Force Main by Point Repair – Per Linear Foot

## **2.19 RE-POINT EXISTING SEWER MANHOLES OR WET WELL:**

- A. Measurement: The measurement for Re-pointing Existing Sewer Manholes or Wet Wells will be by the square foot manhole surface re-pointed.
- B. Payment: The actual quantity of manhole grouted, as measured above, will be paid for the unit bid price. This price and payment will constitute full compensation for furnishing all labor, equipment, material, and incidentals necessary to complete this item of work.

## **2.20 SEWER MANHOLE/WET WELL REHABILITATION BY CEMENTITIOUS LINING:**

- A. Measurement: Measurement for rehabilitation of sewer manholes or wet-wells by cementitious lining will be by the square foot.
- B. Payment: Payment will be made per square foot of the manhole or wet-well from the bench (manholes) or invert (wet-wells) to the bottom of the manhole cover. Payment will include all materials, labor, grout, equipment, and related work items to rehabilitate the manhole or wet-well. Locating, uncovering, and cleaning the manholes, photographic documentation, preparation of forms and benches, and patching or plugging leaking joints and voids will be considered incidental to manhole or wet-well wall rehabilitation. Photographic documentation must be submitted prior to payment.

No separate payment will be made for re-pointing of manholes or wet-wells, which are then lined under this item.

**2.21 MANHOLE REHABILITATION:**

- A. Measurement: Measurement for rehabilitation of sewer manholes or wet-wells by cementitious lining will be by the square foot.

Other items associated with manhole rehabilitation:

- 75 Manhole Cover Adjustments (Street or Easement) – Per Each
- 76 Rehabilitate Manhole Bench/Trough – Per Each
- 77 Remove and Replace Manhole Cone – Per Each
- 78 Remove and Replace Manhole Wall – Per Vertical Foot
- 79 Repair Manhole/Line Connection – Per Each
- 80 Replace manhole cover and casting – Per Each

B. Payment:

- 1. Manhole Cover Adjustments: Elevation adjustment to the top of the existing manholes will be paid per each manhole cover raised/lowered. This item will include labor, material, etc. required to locate, excavate, and adjust the manhole and/or reset the frame to the desired level, utilizing riser rings and/or grout.
- 2. Rehabilitate Manhole Bench/Trough: Separate payment will be made for manhole benches in manholes that will be rehabilitated. Benches to be constructed in manholes that will not be rehabilitated, as directed by the Project Manager, shall be done so in accordance with these specifications. Payment will be made at the contract unit price per each, which will include all materials, labor, incidentals, and equipment needed to construct manhole benches.
- 3. Removal and Replacement of Manhole Cones will be paid for at the unit bid price per each, which will include grouting/sealing and any other materials, labor, equipment, and incidentals necessary to complete this item.
- 4. Removal and Replacement of Manhole Walls will be paid for at the unit bid price per vertical foot, which will include grouting/sealing and any other material, labor, equipment, and incidentals necessary to complete this item.
- 5. Repair Manhole/Line Connections will be paid for at the unit bid price per each, which will include testing and sealing with grout, and any other material, labor, equipment, and incidentals necessary to complete this item.

**2.22 RE-OPENING SERVICE CONNECTIONS:**

- A. Measurement: Measurement for payment of reopening the existing service connections from the interior of the pipe will be per each internal service re-connection of the type indicated.
- B. Payment: Payment will be made at the unit bid price per each for remote cutting with brush to re-open service connections and will constitute complete compensation for all

labor, equipment, and materials required to satisfactorily complete this item of work, as specified herein.

**2.23 INTERNALLY TRIM PROTRUDING HOUSE CONNECTIONS:**

- A. Measurement: Measurement for internally trimming protruding house connections shall be per each connection trimmed. This item shall include all costs associated with set-up and trimming of the connections. This work will only be done with prior approval of the Project Manager
- B. Payment: Payment will be made for each connection trimmed at the unit bid price.

**2.24 SET-UP AND OPERATION OF BY-PASS PUMPS:**

- A. Measurement: Separate measurement will be made for set-up and operation of by-pass pumps. These items are in addition to the minimum by-pass pumping requirements of other bid items and will only be allowed with prior approval of the Project Manager. This item will be used for emergency pumping of upstream sewer areas to down stream manholes or wet wells. Each set-up will be measured separately with operation of the pumps being measured on the actual hourly time used. Each "Set-Up" pay item shall include all costs associated with providing of the pumping equipment and up to 350 feet of discharge force main. If additional force main is required to reach the designated discharge point, this additional force main will be measured by the linear foot and be paid for at the appropriate "Extension of Force Main" pay item for the pump size.
- B. Payment: Payment for set-up of the by-pass pumps will be at the unit bid price per each for each size required. The item will be used for pumping beyond the minimum requirements of other bid items and for emergency pumping from upstream sewer areas to down stream manholes or wet wells. Payment for operation of each size pump shall be at the hourly unit bid prices. Payment for extension of force main shall be per linear foot, as measured above.

**2.25 REMOVE AND REPLACE PORTLAND CEMENT CONCRETE:**

- A. Measurement: The measurement for Removal and Replacement of Portland Cement Concrete Roadway will be by the square yard.
- B. Payment: The actual quantity of applicable roadway removed and replaced will be paid for at the unit bid price. This price and payment will constitute full compensation for furnishing all labor, equipment, materials, wire mesh, if required, replacement of signing, striping, and any other incidentals necessary to complete the work.

**2.26 REMOVE AND REPLACE ASPHALTIC CONCRETE ROADWAY & PLACE AND REMOVE TEMPORARY ASPHALTIC CONCRETE ROADWAY:**

- A. Measurement: The measurement for Removal and Replacement of Asphaltic Concrete Roadway; and the Placement and Removal of Temporary Asphaltic Concrete Roadway will be by the square yard.
- B. Payment: The actual quantity of asphaltic roadway removed and replaced within the authorized pay limit, as shown on the drawings and indicated in the specifications, will

be paid for at the unit bid price. This price and payment will constitute full compensation for furnishing all labor, equipment, materials, and incidentals necessary to complete the work. Should the thickness of the existing asphalt pavement exceed the six-inch (6") asphalt concrete minimum thickness required by the standard detail, the Contractor shall match the existing pavement. Payment for the additional thickness will be pro-rated, based upon the unit bid price of this item. For each additional inch of thickness, the Contractor will be paid an additional one-sixth (1/6) of the unit price of the pay item. Temporary Asphaltic Roadway will be 2" thick. Payment for any additional thickness of temporary asphalt will be pro-rated, based upon the unit bid price for this item.

**2.27 REMOVE AND REPLACE CONCRETE DRIVEWAY:**

- A. Measurement: The measurement for Removal and Replacement of Concrete Driveways will be by the square yard.
- B. Payment: The actual quantity of applicable driveway removed and replaced will be paid for at the unit bid price. This price and payment will constitute full compensation for furnishing all labor, equipment, materials, wire mesh, saw-cutting, excavation, back-fill, expansion joint material, removal of the existing drive-way, and any other related items, necessary to complete the work.

**2.28 REMOVE AND REPLACE SIDEWALKS:**

- A. Measurement: The measurement for Removal and Replacement of Sidewalks will be by the square yard.
- B. Payment: The actual quantity of applicable sidewalk removed and replaced will be paid for at the unit bid price. This price and payment will constitute full compensation for furnishing all labor, equipment, materials, reinforcement (if required), and will include excavation, backfill, temporary asphaltic materials where removal occurred, expansion joint materials, and incidentals (i.e. saw-cutting and other related items) necessary to complete the work.

**2.29 SITE SPECIFIC TRAFFIC CONTROL DEVICE PLAN:**

- A. Measurement: Measurement for payment of development of each plan will be made on a per each basis for each location directed by the Owner or Project Manager.
- B. Payment: Payment for developing Site Specific Traffic Control Device Plans in accordance with the requirements of the specifications will be made at the unit bid price per each. The unit price shall be considered full compensation for this item and will include all labor, materials, Engineering Services, and any other services required for development of the Plan.

**2.30 TRAFFIC CONTROL DEVICE SET-UP:**

- A. Measurement: Measurement for payment of each set-up shall be made on a per each basis for each location directed by the Owner or Project Manager.
- B. Payment: Payment for completing each Traffic Control Device Set-up will be made at the unit bid price per each. This set-up will be in accordance with the Site Specific Traffic Control Device Plan, previously approved by the Owner/Project Manager.

**2.31 TRAFFIC CONTROL DEVICE OPERATION:**



- A. Measurement: Measurement for payment shall be made on a "per day" basis. A day shall be considered 24 continuous hours of operation. This shall be used only as directed by the Owner or Project Manager.
- B. Payment: Payment for each "day" of operation shall be considered full compensation for maintaining the approved traffic control device plan. Maintenance will include all necessary labor, equipment, materials, traffic engineering services, and other incidentals as required. Payment for each fraction of a day will be made as follows: Payment for operation of over 12 to 24 hours will be considered a full day. Payment for 1 to 12 hours will be considered a half day.

**2.32 TRAFFIC FLAGMAN:**

- A. Measurement: Measurement for payment shall be made on a unit price basis per hour required to fulfill the requirements of the Traffic Control Device Plan.
- B. Payment: Payment for providing a traffic control flagman will be made at the unit bid price per hour, as authorized by the Owner or Project Manager. Payment will constitute full compensation for all labor, materials, travel expenses, supervision, and related items necessary to complete each day of implementation or training, as dictated by the Owner or Project Manager.

**2.33 COMMUNICATION RADIOS:**

- A. Measurement: Measurement for payment for each portable communication radio shall be made on a per each basis. Number of radios shall be directed by the Owner or Project Manager.
- B. Payment: Payment for each portable communication radio shall be made at the unit price per each.

This unit price shall be considered full compensation for this item and shall include all labor, materials, and services required to furnish and use communication radios. It is the responsibility of the Contractor to purchase and have available a minimum of two portable radios for Jefferson Parish to program into their communication system as soon as the contract is awarded.

**2.34 DISPATCHER**

- A. Measurement: Measurement for payment for each dispatcher shall be made on a per hour basis. Number of dispatchers shall be directed by the Owner or Project Manager.
- B. Payment: Payment per each dispatcher shall be made at the unit price per hour.  
This unit price shall be considered full compensation for this item, and will include all labor, materials, and services required to dispatch.

**2.35 JOURNEYMAN ELECTRICIAN**

- A. Measurement: Measurement for payment for each journeyman electrician shall be made on a per hour basis. Number of journeyman electricians shall be directed by the Owner or Project Manager.
- B. Payment : Payment for each journeyman electrician shall be made at the unit price per

hour.

This unit price shall be considered full compensation for this item, and will include all labor, materials, and services required to furnish journeyman electricians.

**2.36 SLAB SODDING**

- A. Measurement: Measurement for Slab Sodding will be by the square yard of finished surface, after all conditions of the Technical Specifications have been met.
- B. Payment: Payment for Slab Sodding satisfactorily placed, as measured above, will be paid at the unit bid price. This price and payment will constitute full compensation for furnishing all labor, equipment, and materials necessary to complete this item of work.

**2.37 UNFORESEEN EMERGENCIES:**

- A. Measurement: Measurement for unforeseen emergency work will be made on an as incurred basis. Parts and supplies incidental to the scope of services to be provided under this bid which are not listed as separate line items in the bid shall be billed and paid at dealer/wholesale invoice without increase or mark-up. Notwithstanding the foregoing, Contractor must receive prior approval by the Department Director prior to purchasing these parts for repairs. Additionally, these third party invoices shall be included in the contractor's billing invoice for payment. The cost of any incidental drayage between the local supplier and the job site will not be considered for pay.
- B. Payment: Payment will be made only when the Contractor is directed by the Parish to make repairs within the scope of work of this proposal but not specifically covered by items contained elsewhere in this proposal. Payment will include furnishing all labor, equipment, and materials needed to accomplish the directed emergency work. Payment will be made in accordance with the hourly or daily rate bid for labor and equipment items. Equipment rates for bid (equipment only) for unforeseen emergency work cannot exceed the AED green book rates. As follow: Day Rate = AED weekly rate. The hourly rate will be determined by dividing the daily rate by 8.

**TECHNICAL SPECIFICATIONS  
SECTION 3  
MANHOLE AND WET WELL INSPECTIONS**

**3.01 SCOPE OF WORK:**

Manholes and wet wells will be inspected to locate defects, which are causing or could cause soil erosion and degradation to the sanitary sewer system, and/or other underground utilities, or surface structures, and which are allowing leaks into, or out of the sewer system.

**3.02 DOCUMENTATION OF INSPECTION:**

Observations shall be recorded on a manhole and wet well physical inspection report form. The information recorded on this form shall include location of the structure; relationship of a structure's incoming and outgoing lines; size of lines; depth of lines; condition of cover, ring, wall, bench and invert; type of material; and any other pertinent information which would affect a rehabilitation

decision. The "Manhole Inspection Report", which may be obtained from the Project Manager, will be used to record the inspection results. All information and manhole numbers will be obtained from the Project Manager.

**3.03 COMPILATION OF DATA:**

All the data gathered in the field investigation shall be input into the Lucity sewer system management program by the Contractor to generate reports detailing the leaks identified and any further evaluation work to be done. These reports shall be delivered to the Project Manager daily to document completion of field work.

**TECHNICAL SPECIFICATIONS  
SECTION 4  
SMOKE TESTING**

**4.01 GENERAL:**

Smoke testing is to be accomplished on a limited basis. It will be, at the discretion of the Project Manager, to determine which lines will be smoke tested.

**4.02 EXECUTION:**

The smoke shall be blown by a specially designed gasoline powered blower, located on top of a central manhole. Blower pressure must be adequate to force smoke throughout the isolated sanitary sewer and to the ground surface through cracks, channels, etc., through which rain-water inadvertently enters the sanitary system defects, resulting in soil erosion and undermining of streets and sidewalks. The blower shall deliver no less than 4000 cfm. Only one line segment on each side of the blower shall be tested on a set-up. Where practical, inlets to the sanitary system shall be sandbagged or plugged during smoke testing so that sufficient blower pressure can be developed.

If manholes are located in the street or in a driveway, adequate safety precautions must be taken, as specified in these Procedures. Plugs or sandbags shall be placed in the lines entering the far upstream manhole of the test line segments, and the line exiting the far downstream manhole of the test line segments. Care must be taken to ensure that sufficient water head in the sewers is not developed to interrupt service to any citizen, or to create hazardous conditions. When all plugs or sandbags are secure, blowers are placed on top of the open manholes and started. When the blower is running, a smoke bomb or liquid smoke is simultaneously induced and placed so that smoke is forced into the sewer segment being tested. Smoke shall be blown for a minimum of five (5) minutes and until all leaks are identified. Color flags shall be placed at each smoke leak (except those on building roofs) to indicate intensity of smoke:

heavy intensity – red

medium intensity – yellow

light intensity – blue

The front, back, and side of buildings; sewer rooftop vents, roof drains, storm manholes, inlets, ditches, and the surface along the main sewer line shall be checked for the presence of smoke. During the testing, a field inspection test report and service line field inspection test report shall be completed by the Contractor.

**4.03 DOCUMENTATION OF TESTS:**

Observations of leaks at the manhole and along the sanitary system or drainpipe shall be recorded on a field inspection report form. The information recorded on this form shall include line number,

description, and location of any leaks observed. Also included shall be a sketch on the line layout. Digital color photos shall be taken of all manhole leaks, lateral leaks, service line leaks, and mainline leaks. The main purpose of the photograph is to locate the leak for future testing or rehabilitation purposes. The digital color photos should show smoke emitting from the located leak. The "Smoke Test Report" form shall be used to record the inspection results. Forms will be obtained from the Project Manager.

#### **4.04 NOTIFICATION OF RESIDENTS:**

The following steps will be taken for notifying the citizenry local officials of smoke testing. If possible, twenty-four to forty-eight hours prior to starting work a hand-bill, announcing and describing the smoke testing program will be distributed to each household or commercial establishment located in the area to be smoke tested. Close communications between the Contractor, local officials, the police department, and fire department will be maintained to avoid major problems. Minimum footage issued in a work order for smoke testing will be 3,000 feet within a limited geographical area. The Contractor must notify the Project Manager no less than 48 hours in advance of smoke testing.

The Contractor must notify the fire department before testing begins, on each day of smoke testing. Any fire stations located in the area of testing should also be notified daily by the Contractor prior to testing. The scheduled work for the day and the general area of testing should be indicated 24-hours in advance. Hospitals, nursing homes, and schools must be notified, by the Contractor, the day of testing no less than one (1) hour prior to the actual test.

#### **4.05 COMPILATION OF DATA:**

All data gathered by the Contractor in the field investigation shall be input into a program compatible to the Lucity software program, to generate reports detailing the leaks identified and any further evaluation work to be done. These reports and field module CD's shall be delivered to the Project Manager daily to document field work completion. The information recorded on the "Smoke Test Form" will include, but not be limited to, manhole-to-manhole segment number, street address, description, and accurate location of any leaks observed. A sketch of the main line layout and sketches of service/lateral lines, which have leaks, must also be included. The location, with measurements of all leaks shall be shown on the sketches. Digital color photos must be taken of all leaks. The main purpose for taking a digital color photo is to locate the leak for future testing or rehabilitation. The digital photo must always show the colored flag, and normally should show smoke emitting from the located leak. Should power sources be down during an emergency, and cause the Contractor to not be able to provide data to the Parish, Contractor shall save information and submit when power is restored.

### **TECHNICAL SPECIFICATIONS SECTION 5 DYE-WATER FLOODING**

#### **5.01 GENERAL:**

Dye water flooding will be used to trace and identify specific defects, which are causing or could cause soil erosion and degradation to the sanitary system. Dye-water flooding will also be used to located cross connections between sanitary and storm sewers. Dye-water flooding may also be used on other inflow services, such as leaks within five (5) feet of a manhole. Dye used in this operation shall be non-toxic and shall conform to all local, state, and federal guidelines.



**5.02 EXECUTION:**

Dye-water flooding will be accomplished by flooding the ground surface, or a line segment, with color-dyed water to simulate a storm water runoff condition. Dye-water flooding may be accomplished in conjunction with television inspection. It will be at the discretion of the Project Manager to determine which lines will be dye-water flooded. A minimum waiting period of 30 minutes for dye-water flooding will be required when no resulting leaks are observed. Water for use in dye-water flooding may be obtained from the Jefferson Parish Water System, provided the Contractor obtains and uses a water meter from the Department of Water. The Contractor will be responsible for the payment of all costs for water used.

**5.03 DOCUMENTATION OF TEST:**

The results of the dye-water flooding and testing must be recorded on a report form. The information recorded on this form must include: location of manhole or line flooded, lines plugged, location(s) flooded along line, locations of leaks observed in sanitary or drain systems. Digital color photos must be taken of the dye-flooding in progress and when possible, digital color photos should be made of the leaks located. The "Dye-Water Test Form", must be used to record the results. A sketch of the line layout with locations plugged and flooded must be included on the Form.

**TECHNICAL SPECIFICATIONS  
SECTION 6  
CLEANING**

**6.01 GENERAL:**

The intent of sewer line cleaning is to remove foreign materials from the lines and restore the sewer to a minimum of 95% of the original carrying capacity, or as required for proper seating of internal pipe joint sealing packers. Since the success of the other phases of work depends a great deal on the cleanliness of the lines, the importance of this phase of the operation is emphasized. It is recognized that there are some conditions, such as broken pipe and major blockages that prevent cleaning from being accomplished, or where additional damage would result if cleaning were attempted or continued. Should such conditions be encountered, the Contractor will not be required to clean those specific manhole sections. A daily log must be maintained to record the location of the manholes, catch basins, wet wells sanitary, and drain lines cleaned; lengths of the lines cleaned; method of cleaning; line sizes; and, volume and type of debris removed.

**6.02 EQUIPMENT:**

The equipment, which is expected to be used for the cleaning work on this project, is a high velocity combination sewer cleaner and vacuum truck supplying water at a minimum of 80 gpm at a minimum of 2000 psi.

**6.03 EXECUTION:**

If the cleaning of an entire section cannot be successfully performed from one manhole, the equipment shall be re-setup on the other manhole and cleaning attempted again. If successful cleaning cannot then be performed, it will be assumed that a major blockage exists. The cleaning efforts will then be abandoned until an excavation and "point repair" can be made by Parish supplied forces. The cleaning operation can then be resumed. The Contractor will be paid for the initial cleaning attempt. After removal of the blockage the Contractor will again clean the line section. The Contractor will be paid for the second cleaning at the same rate as the initial cleaning. All sludge, dirt, sand, grease, rocks, and other solid or semi-solid materials resulting from the cleaning operation shall be removed from the downstream manhole of the section being cleaned. Passing material from manhole section, which could cause line stoppages, accumulations of sand in wet wells or damage pumping equipment, will not be permitted. The Contractor will not be responsible for removing mortar or other material, which is securely attached to pipe walls or joints.

Cleaning will be complete when video inspection of the pipe indicates that all loose debris has been removed, so that the entire pipe wall is visible.

**6.04 DISPOSAL OF MATERIALS:**

Materials shall be disposed of from the work site at the end of each work-day. The Contractor will provide satisfactory evidence daily to the Parish of the amount of material removed from the pipes. These quantities will be subjected to certification, as deemed necessary by the Project Manager. The Contractor will be responsible for the disposal of materials removed during the cleaning process. The Contractor must adhere to all local, state, and federal guidelines in disposal of this material.

**6.05 CLEANING OF WET WELLS:**

The Contractor will be required to clean sewer system wet wells in conjunction with sewer pipeline cleaning. Removal of all loose debris from wet wells will be required when cleaned.

**6.06 REMOVAL OF SEWAGE FROM SYSTEM:**

The Contractor will be required to pump sewage out of wet wells and manholes, and transfer it to areas as designated by the Director, Assistant Director, or the Project Manager. This is an emergency operation that will allow the residents the use of their sanitary facilities. Contractor may use vacuum trucks or large pump out trucks to remove the sewage from the wet wells and/or manholes.

**TECHNICAL SPECIFICATIONS  
SECTION 7  
ROOT REMOVAL**

PAGE INTENTIONALLY LEFT BLANK

**TECHNICAL SPECIFICATIONS  
SECTION 8  
VIDEO INSPECTION**

**8.01 GENERAL:**

When cleaning is completed, the Contractor will proceed with the video inspection.

It is the intent of the Parish to determine applicable cost effective rehabilitation and repair techniques based on video inspection performed on this contract.

**8.02 EXECUTION:**

Pipe inspection shall be accomplished by one of the following methods:

A. Television Inspection of 6" thru 24" Mainline Pipe

1. The contractor shall use a pan and tilt articulating lens closed circuit color video system to remotely inspect the pipe. The television camera used for the inspection shall be one specifically designed and constructed for such inspection. Lighting for the camera shall be suitable to allow a clear picture of the entire periphery of the pipe. The camera shall be operative in 100% humidity conditions. The camera, television monitor, the video recorder, and other components of the video system shall be capable of producing the picture quality required to properly evaluate the condition of the pipe being inspected.
2. Depth of flow shall not exceed that shown below for the respective pipe sizes measured in the manhole.

Maximum Depth of Flow for Television Inspection:

6" – 10" pipe . . . . . 20 % of pipe diameter

12" – 24" pipe . . . . . 25% of pipe diameter

The Contractor will be required to dewater pipe depths as necessary to allow the required visibility. This dewatering will be considered incidental to the video inspection. Picture quality and definition shall be to the satisfaction of the Project Manager.

3. Plugging: A sewer line plug shall be installed upstream of the section being

worked. The plug shall permit a portion of the sewerage to be released. After the work has been completed, sewage flow should be restored to normal.

Sewer plugs shall be installed in the influent pipe of a manhole. The plug shall be equipped with an air hose to permit deflation from above ground. A strong rope should be attached to enable the plug to be quickly pulled out of the manhole. The Contractor will be responsible for preventing a plug from being pushed into the outgoing pipe when stored sewage is released.

4. The camera shall be moved through the line in either direction at a moderate rate, stopping when necessary to permit proper documentation of the pipe's condition. In no case will the television camera be moved at a speed greater than 30 feet per minute. Manual winches, power winches, TV cable, and powered rewinds or other devices that do not obstruct the camera view or interfere with proper documentation of the pipe conditions shall be used to move the camera through the line. If, during the inspection operation, the television camera will not pass through the entire section, due to an obstruction such as a dropped joint, crushed pipe, etc., the Contractor shall set up his equipment so that the inspection can be performed from the opposite end. If, again, the camera fails to pass through the entire section because of an obstruction, the inspection shall be considered complete at that time. When manually operated winches are used to pull the television camera through the line, radios, or other suitable means of communication must be set up between the two ends of the section being inspected to insure good communication between crew members.
5. The importance of accurate distance measurements is emphasized. Measurement for location of defects and service connections must be done with a metering device located in the video inspection van. The footage reading of the counter must be displayed at all times on the monitor and on videotape. Marking on the cable, or the like, which would require interpolation for manhole depth, will not be allowed. Accuracy of the distance meter shall be checked by use of a tape, and the accuracy shall be within 1%.
6. The location of all significant pipe defects must be recorded on the inspection log including, but not limited to, cracked and missing pipe, degree of pipe deterioration, open or shifted joints, leaking joints, leak estimates, crushed pipe, and obstruction. The log must also show pipe type, size, depth, manhole locations, and location of all service connections. In addition, as part of the mainline video inspection, the Contractor must determine and record the street number addresses of all observations.
7. The Contractor performing the videoing shall be responsible for the accuracy of addresses and assessed point repair footages provided under this contract.
8. After issuance of a video inspection work order, but prior to initiation of field inspection work, the Contractor will field survey the work order area to determine of this manhole addresses qualifiers. Upon completion of this manhole survey, the Contractor will submit a complete mainline inventory of all manholes in the work order scope to the Project Manager for approval. The Contractor must use the Parish addressing standard for this inventory.
9. A digital MPEG recording, using software compatible with Peninsular Technology's software, should be made, by the Contractor, of all pipe sections



video inspected. The recording will include a complete "Color" video of the entire inspection. The video inspection must have the capability of permanently displaying on the video tape, information concerning the pipe inspected, including: project number, data, street name, manhole designations, size of pipe, and the footage counter. On at least a bi-weekly basis (emergency permitting), the contractor will deliver, to the Parish, a computer media containing all field investigation data collected during the week, and television inspection data, as provided in Sections 24 & 25, which shall be completed during each video inspection. For the duration, the contractor will maintain a local library containing a copy of all video recording generated on this Contract. All the data gathered in the field investigation shall be uploaded into a system compatible with Lucity software. All codes must follow the Jefferson Parish Standards.

10. Video inspection activities may be coordinated with dye-flooding when directed by the Project Manager.
11. Since Jefferson Parish is in a high rainfall area and all original sanitary and drain pipe capacities are needed, no reconstruction method will be considered that does not provide at least 100% flow capacity of the original sanitary and storm sewer pipes.
12. The Contractor will be paid for the actual linear feet of pipe inspected at the unit bid prices for the various sizes of sanitary or storm sewer pipes. The Contractor will be paid additional compensation for television inspection when a reverse setup is required because of an obstruction in the pipe by which the camera cannot pass. A "reverse setup" occurs when a line section must be television inspected from both directions because an obstruction halted camera progress from the initial setup. The Contractor will be paid for the initial inspection attempt as though it was satisfactorily completed. Whenever a re-inspection is performed after removal of the obstruction, the Contractor shall be paid again at the same rate as for the first video inspection.
13. All the data gathered in the field investigation shall be input into a system compatible with the Lucity sewer system management program by the Contractor, to generate reports detailing the leaks identified and any further evaluation or repair work to be done.
14. All digital videos gathered in the television inspection shall be digitized using a system compatible with Peninsular Technology software.

**TECHNICAL SPECIFICATIONS  
SECTION 9  
PIPE REHABILITATION BY INSTALLATION OF CURED-IN-PLACE PIPE**

**9.01 GENERAL:**

It is the intent of this specification to provide for the reconstruction of existing sanitary and storm sewer pipes by forming a new pipe within an existing structurally deteriorated pipe, which has generally maintained its original shape. The cured-in-place-pipe (CIPP) shall provide flow capacity equal to or greater than "100% of the original pipe's flow capacity when new." The installation of the CIPP shall be accomplished by the use of the Insituform Process, LMK, or National Liner Process. The process is defined as the reconstruction of sanitary sewer pipe by installation of a thermosetting, resin impregnated, flexible felt, fiber tube (coated on one side with polyethylene) into the existing sanitary sewer pipe, utilizing a water column. Curing is accomplished by circulating hot water (or other approved fluid) throughout the length of the tube to cure the thermosetting resin into a hard impermeable pipe. The pipe shall extend the full length of the original pipe and shall provide a structurally sound, joint less, closed-fitting, cured-in-place-pipe.

Rehabilitation of pipelines by pulled-in-place installation of a cured-in-place thermosetting resin pipe shall be used only with approval of the Engineer, or when noted on the work order issued by Jefferson Parish.

Any process, including those named above or submitted as an approved equal and which has not been installed previously in Jefferson Parish, shall be required to meet the requirements in the General Conditions of these specifications to prove the acceptability of the product.

**9.02 REFERENCED SPECIFICATIONS:**

This specification references ASTM F 1216 (Rehabilitation of pipelines by the inversion and curing of a resin-impregnated tube) and ASTM F1743 (Rehabilitation of pipelines by pulled-in-place installation of a cured-in-place thermosetting resin pipe). ASTM D790, (Test Methods for flexural properties of non-reinforced plastics) which are made a part hereof by such reference and shall be the latest edition and revision thereof. In case of conflicting requirements between this specification and these referenced documents, this specification will govern.

**9.03 GENERAL CORROSION REQUIREMENTS:**

The CIPP shall be fabricated from materials which, when cured, will be chemically resistant to withstand internal exposure to permitted storm-water and sanitary sewerage.

**9.04 MATERIALS:**

- A. The flexible felt fiber tube shall be fabricated to a size that when installed, will neatly fit the internal circumference of the conduit specified by the Parish. An allowance shall be made for some circumferential stretching during inversion. Minimum tube thickness must be as indicated on the bid form. Additional thickness will be used if required by site conditions.
- B. The minimum length will be that deemed necessary by the Contractor to effectively span the distance from the inlet to the outlet of the respective manholes or other termination points, unless otherwise specified. The Contractor must verify the lengths in the field before impregnation of the tube with resin. Individual insertion runs can be made over one or more manhole sections, as determined in the field by the Contractor.
- C. Unless otherwise specified, the Contractor must furnish either a polyester or vinyl ester resin

and a compatible catalyst system that provides cured physical strengths, as specified herein. Epoxy vinyl ester resins shall be Derakene 411 series, or approved equal. Polyester resins shall be manufactured by Alpha Owens Corning, or approved equal.

- D. The materials used must result in an installed CIPP flow capacity which will be equal to, or greater than, 100% of the original pipe's flow capacity when new.
- E. Physical Strength: The CIPP shall conform to the minimum structural standards, listed below, or to the then current standards approved by Insituform of North America or Inliner USA.

<u>Physical</u> <u>Minimum Values</u> <u>Characteristic</u>	<u>Test Method</u>	
Flexural Stress	#101 (Modified ASTM D-790)	4,500 psi
Flexural Modules Of Elasticity	#101 Modified ASTM D-790	250,000 psi

#### 9.05 PRE-INSTALLATION PROCEDURES:

The following installation procedures must be adhered to, unless otherwise approved by the Project Manager.

- A. *Safety* - The Contractor must carry out his operations in strict accordance with all applicable OSHA standards. Particular attention is drawn to those safety requirements involving work on an elevated platform and entry into a confined space.
- B. *Pre-inversion Cleaning* – It will be the responsibility of the Contractor to remove all loose debris, which is located within the sanitary pipe.
- C. *Pre-inversion Inspection* - Inspection of sanitary sewer pipe must be performed by experienced personnel trained in locating breaks, obstacles, and connections by closed circuit television inspection. The interior of the pipe must be carefully inspected to determine the location of any condition, which may prevent proper installation of the CIPP, and it must be noted so that these conditions can be corrected. A videotape and suitable log must be kept for later reference by the Parish and/or Contractor.
- D. *Line Obstructions* – If inspection reveals an obstruction, (such as attached mortar, dropped joints, protruding taps, or collapsed pipe), that cannot be removed by conventional pipe cleaning equipment, that will prevent completion of the inversion process, then a point repair excavation will be made to uncover and remove or repair the obstruction. Such work will be performed by the Parish, the Parish's designated Contractor, or will be authorized under this contract.
- E. *Protruding Tap Removal* – A robotic machine capable of grinding off clay and concrete lateral protrusions and reinstatement cutting will be used. The machine will work inside the parent and relined pipe without damaging parent or relined pipe walls.

Protruding laterals will be ground back to a ¼" protrusion or less. Grinding will be done using a slow speed (1,000 to 1,500 rpm) diamond chip covered ball grinder of nominal 1.50" to 2.00" diameter. Segmented, notched, or chipping type cutters, which crack and chip the lateral pipe resulting in broken or cracked laterals, will not be accepted.

- F. *By-passing* – When required for acceptable completion of an inversion process task and/or to avoid damage due to sewer spills or overflows, the Contractor must provide for sanitary water flow maintenance around the section or sections of pipe designated for the inversion process. The bypass will typically be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole or adjacent system. The pump and by-pass of sanitary sewerage into the storm-water system will not be allowed.

The Contractor will notify all parties whose service laterals will be out of service, and advise against water usage until the mainline is back in service. Notification will be at least 24 hours prior to CIPP installation, and no more than 72 hours prior to lining. Notification will be done with a “door hanger” approved by the Director, Assistant Director, or Project Manager.

#### 9.06 INSTALLATION PROCEDURES:

- A. *Wet-Out* – The Contractor will designate a location where the tube will be impregnated (“wet out”) with resin using distribution rollers and vacuum to thoroughly saturate the felt fiber tube, prior to installation. The Contractor must allow the Project Manager to inspect the materials and wet out procedure. A catalyst system compatible with the resin and tube must be used.
- B. *Insertion* – The wet out tube must be inserted through an existing manhole or other approved access, and the application of a fluid column sufficient to fully extend it to the next designated manhole or termination point. The fluid column will be adjusted to be of sufficient height to cause the impregnated tube to hold tight against the existing pipe wall, produce dimples at side connections, and flared ends at the manholes.
- C. *Curing* – After the insertion is completed, the Contractor must supply a suitable heat source and fluid re-circulation system capable of delivering hot fluid uniformly throughout the section to effect a consistent cure of the resin. The curing temperature will be that recommended by the resin/catalyst system manufacturer.

The heat source must be fitted with suitable monitors to gauge the temperature of the incoming and outgoing fluid supply. Another such gauge must be placed between the impregnated tube and the invert of the original pipe at the manhole(s) or other termination points, to determine the temperatures during the resin curing process. Initial cure will be considered completed when the exposed portions of the CIPP appear to be hard and the remote temperature sensing device indicates the cure period to be of adequate duration, as recommended by the resin/catalyst system manufacturer and modified for the inversion process.

- D. *Cool-down* – The Contractor must cool the hardened CIPP to a temperature below 100 degrees Fahrenheit before relieving the fluid column. Cool fluid may be added to the fluid column while draining hot fluid from a small hole at the opposite end of the CIPP, so that a constant fluid column height is maintained until cool-down is completed. Care must be taken in the release of the fluid column so that a vacuum will not be developed that could damage the newly installed CIPP.
- E. *Warranty* – The finished CIPP must be continuous over the entire length of an inversion run and be as free as commercially practical from visual defects, such as foreign inclusions, dry spots, pinholes, and delamination. It must also meet the water-tightness test requirement specified below. During the warranty period any defects, which will affect the integrity or strength of the CIPP, must be repaired at the Contractor's expense, in a manner mutually agreed to by the Parish and the Contractor. The warranty period is for one year after



acceptance by the Parish.

**9.07 SEALING AT MANHOLES:**

If the CIPP fails to make a tight seal at a manhole or other termination point, the Contractor must apply a seal at that point. The seal must be of a material compatible with the CIPP material.

**9.08 RESTORATION OF SANITARY SEWER SERVICE CONNECTIONS:**

After the CIPP has been cured in place, the Contractor must re-open the existing active sanitary sewer connections, as designated by the Project Manager. This will usually be done without excavation, and in the case of non-man-entry pipe, (i.e. pipe less than 24" in diameter) from the interior of the pipeline by means of a television camera and a cutting device that re-establishes the sanitary sewer connections to not less than 90% of their original size (when new) and must be fully functional. Restored openings should be neatly and smoothly cut and without rough edges. Care must be exercised not to damage the CIPP or the existing main or lateral pipes. Cutting devices that use high pressure water must not be used, since they may cause damage to the lateral. All liner materials must be removed from the internal wall of lateral connection. When fiberglass or other reinforcing fibers, that may cause wicking at lateral openings, are used, the lateral opening edges must be sealed with a resin mixture compatible with the tube resin. Connections should not be over cut, as this could damage the pipe, break the CIPP seal, and/or interfere with future lining of the lateral.

Lateral reinstatement must be done using either a wire steel brush cutter or a coarse carbide crystal surface type cutter. This method of cutting must not damage the lateral pipe material and must result in a smoothed even surface, which is flush with and follows the lateral pipe internal wall contour regardless of penetration geometry. The use of drill or router bits will not be allowed. Holes cut outside the lateral opening or oversized cutting (more than 105%) must be corrected to the Owner's satisfaction.

If under normal circumstances the CIPP interior method of tap cutting does not prove satisfactory, an external tie-in of the house connection will be required. This external tie-in must be made by the Contractor, at Contractor's expense.

**9.09 TESTING:**

The water-tightness of the CIPP must be gauged by monitoring the water level in the inversion tube while curing. The water testing must be done directly on the finished product and not on an intermediary hose, which is not part of the final product.

For each installation, the Contractor must perform tests on a sample of the cured installed liner. Tests conducted shall include the following:

- a. Thickness of sample
- b. Flexural strength
- c. Flexural modules of elasticity

The method for taking the sample must be as follows: Place a short section of pipe in the manhole aligned with and the same size as the existing sewer. Run the impregnated tube through the pipe and cure the CIPP under restrained conditions. Label samples with the project number, date of installation, location, manhole number, and specified thickness.

These tests will be conducted in accordance with Modified A.S.T.M. D-790. The testing will be accomplished by an independent, certified testing laboratory, provided, and paid for by the Parish.

**9.10 CLEAN-UP:**

Upon acceptance of the installation work and testing, the Contractor must restore the area affected by his operations to its original state.

**9.11 POST VIDEOS:**

At the completion of the rehabilitation of a pipe-line, a digital inspection CD of the completed line segment will be given to the Project Manager by the Contractor. The Project Manager will use this inspection to determine if this line has been restored in a satisfactory fashion.

This inspection shall be performed, one section at a time, by closed circuit color television, using a radial view camera. The flow entering the section being inspected shall be plugged, as required and previously described. The television camera used for this inspection must be one that is specifically designed and constructed for such conditions. The camera shall be pulled through the pipe slowly in order to fully inspect for any defects. Location records shall be kept by the Contractor, which will clearly show the exact location, in relation to adjacent manholes, of all house connections. A computer-generated copy of this log and data disc shall be supplied to the Project Manager.

**9.12 SERVICE RECONSTRUCTION/REPLACEMENT PRIOR TO CIPP:**

For deteriorated or damaged connections, or ones, which are protruding and cannot be cut internally, the Contractor will excavate and make the repair prior to installation of the CIPP.

After the liner has been put into place and allowed to normalize to ambient temperature, and recover from any imposed stretch, each existing service connection shall be reconnected to the new liner. A portion of the existing sanitary sewer main, or "Carrier pipe", around each service connection must be removed to expose the liner pipe and to provide sufficient working space for installing a pre-fabricated polyethylene saddle or an approved alternate. The polyethylene saddle must be a one-piece saddle equipped with a neoprene gasket, so that a complete seal is accomplished when the strap-on saddle is tightened with two (2) stainless steel bands; one on each side. The stub-out attached to the saddle must protrude into the liner a distance equal to the wall thickness of the liner in place. The new 4", 6", or 8" stub-out, or lateral, must be connected to the existing service line with a flexible PVC coupling, with stainless steel shear rings and hardware. Couplings must be "Fernco" 5000 Series or "Mission Rubber" Arc. A service reconnection shall consist of the removal and replacement of any cracked, offset, or leaking existing service, up to a distance of eight feet (8') from the center of the new liners, measured horizontally.

The new flexible coupling must be secured to the existing service lateral, and new stub and/or stack, with stainless steel bands.

**9.13 PATENTS:**

The Contractor shall warrant to the Parish that the methods, materials, and equipment used herein, where covered by license are furnished in accordance with such license and the prices included in this proposal include applicable royalties and fees in accordance with such licenses. The Contractor shall warrant and hold harmless the Parish against all claims for patent infringement and any loss thereof.

**TECHNICAL SPECIFICATIONS  
SECTION 10  
SERVICE LINE OR MAINLINE POINT REPAIR**

**10.01 SCOPE OF WORK:**

The work covered by this item consists of furnishing all labor, material, equipment, supervision, etc. necessary to perform emergency repairs on the portion of a service line located within the utility easement, street right-of-way, or mainline sewer. Such emergency repairs will only be addressed if located in an easement or right-of-way (no repair to service lines will be made on private property). The location of the repair will be determined by smoke testing the manhole section in which the repair is located. The Project Manager will direct the Contractor to make the line repair. It will be the Contractor's responsibility to accurately field locate the exact point of emergency repair. Service line emergency repairs are required to repair a variety of defects, including: cleanout repair, removing from service disconnected services, repairing storm sewer cross connections, disconnecting surface drains, and repairing faulty service taps.

**10.02 MATERIALS:**

Materials for line repair must be of the same types as specified in the *"Replacement Pipe and Fittings"* section and *"Sewer Clean-outs"* section.

**10.03 SMOKE TESTING TO DETERMINE SERVICE LINE POINT REPAIR LOCATION(S):**

The Contractor shall perform smoke tests in accordance with Section 4 *"Smoke Testing"*.

**10.04 CONTRACTOR SUBMITTALS:**

The Contractor must submit digital color photographs to the Engineer. Said digital color photographs must be recorded to a CD, clearly indicating the location of all smoke leaks from service and main lines with a designated manhole section. The location of all line leaks, including locations outside of right-of-way and easements, shall be referenced to a permanent structure.

**10.05 METHOD OF POINT REPAIR:**

After the location of the point repair is determined, the Contractor will excavate and remove the damaged pipe and replace with new pipe. The minimum length of pipe replaced will be three (3) feet.

The Contractor will excavate, shape the bottom of the trench, and place the required pipe bedding, so that the grade of the replaced pipe matches the existing line grade.

The pipe replacement material must be gasket joint, gravity PVC sewer pipe (ASTM D-3034, SDR 26), and have a minimum cell classification of 12454 A or B, as defined in ASTM C-1784. Installation must be in strict compliance with the manufacturer's recommendations. The method of joining the ends of the replaced pipe with the existing pipe must be water-tight. The existing and new pipe must be joined with shielded repair couplings, stainless steel shear rings, and hardware ("Fernco" 5000 series or "Mission Rubber "Arc).

NOTE: Numerous service line point repairs along with lateral line point repairs and obstruction removals are located in areas, which in many instances will require the removal of existing landscaping, structures, etc. Items removed or disturbed must be replaced to a condition equal to, or better than the original condition. All necessary labor, equipment, materials, and other items necessary to complete this work in accordance with the plans and specifications are

incidental.

**10.06 GENERAL DESCRIPTION OF WORK ITEMS:**

- A. REPAIR/ADJUST CLEANOUT: Cement, plaster, or replace the broken cleanout.
- B. INSTALLATION OF SEWER CLEANOUT – TYPE 1: As detailed on Jefferson Parish Standard drawings.
- C. REPLACE SECTION OF SERVICE LINE: Replace length of service line as specified.
- D. RESTORE 6" – 24" MAIN BY EMERGENCY REPAIR: Replace 6" to 24" main line at various depths, up to eight (8') feet in depth.
- E. RESTORE 6" – 24" MAIN BEYOND EMERGENCY REPAIR: Replace 6" to 24" main line at various depths, beyond eight (8') feet in depth.
- F. RESTORE 4" – 24" SEWER FORCE MAIN REPAIRS: Remove and replace a section of 4" to 24" force main less than eight (8') feet in depth.
- G. RESTORE 4" – 24" SEWER FORCE MAIN BEYOND EMERGENCY REPAIR: Replace a 4" to 24" force main at various depths, beyond eight (8') feet in depth.

**10.07 REMOVAL OF DEBRIS:**

Excess excavated material and debris are to be removed from the work site daily. The cost of hauling excess excavation and debris will be included in the bid price for "Service Line Repair".

**10.08 TESTING:**

Upon completion of the point repairs on a designated line segment, the Contractor must perform a smoke test, as previously described, to check the integrity of the repairs made. This smoke test must be done upon completion of all repairs in a manhole section, and prior to backfilling. The Project Manager and Contractor must check each repair. If any smoke is detected at the repair location, the Contractor must redo the repair and repeat the smoke test, at no additional cost to the Owner. All smoke testing and re-testing shall be considered incidental to the point repair.



**TECHNICAL SPECIFICATIONS**  
**SECTION 11**  
**REPLACEMENT PIPE, FITTINGS, AND MISCELLANEOUS ITEMS**

**11.01 SCOPE OF WORK:**

The Contractor shall furnish all labor, materials, equipment, and incidentals to complete an "Emergency Repair" using materials described herein, compatible to the removed materials.

**11.02 SUBMITTALS:**

- A. If requested, Contractor shall submit to the Parish, a list of materials to be furnished and the names of his suppliers.
- B. All submittals shall comply with Jefferson Parish Department of Engineering Standard Specifications and Details.

**11.03 MATERIALS:**

**11.03.01**      Poly-vinyl Chloride (PVC) Pipe used for Gravity Sewer:

- A. Poly-vinyl Chloride (PVC) gravity sewer pipe and fittings, 4" through 16" diameter, shall conform to ASTM D-3034, "Type PSM Poly-vinyl Chloride (PVC) Sewer Pipe and Fittings", SDR—26.
- B. Poly-vinyl Chloride (PVC) gravity sewer pipe and fittings, 18" through 24" diameter, shall conform to ASTM F-679, "Poly-vinyl Chloride (PVC) Large-Diameter Plastic Pipe and Fitting", T-2 wall thickness
- C. All gravity sewer lines with more than ten feet (10') of cover and any pipe under roadways with less than four feet (4') of cover shall conform to the specifications "Poly-vinyl Chloride (PVC) Pipe C-900"
- D. The supplier will be responsible for the performance of all inspection and testing requirements specified in ASTM D-3034 or ASTM F-679, as applicable. Complete records of inspections, examinations, and tests must be kept and submitted to the Project Manager. The Project Manager reserves the right to perform any of the inspections set forth in the specifications where such inspections are deemed necessary, to ensure that materials and services conform to the prescribed requirements.
- E. The pipe must be joined with an integral bell and spigot type rubber gasket joints. Each integral bell joint must consist of a formed bell with a rubber gasket. Gaskets must conform to ASTM F-477. Joints should permit contraction, expansion, and settlement; and yet maintain a water-tight connection.
- F. Pipe must be furnished in standard laying lengths not exceeding 20 feet (20').
- G. All fittings and accessories must be furnished by the pipe supplier, and must have bell and/or spigot configurations compatible with the pipe.

**11.03.02**      Ductile Iron Pipe and Fittings

- A. All ductile iron pipe must be ductile iron manufactured, in accordance with the requirements of the latest revision of AWWA C 150 and C 151, must conform to ANSI specifications A21.51, and thickness design A21.50-76. Pipe supplied must be Class 51 for pipe eight inches (8") and smaller, Class 52 for pipe ten inches (10") and larger, and must meet all requirements for push-on rubber gasket joints, in accordance with AWWA C111.
- B. Unrestrained joint pipe must be supplied in lengths not in excess of 21 feet. Pipe must be either the rubber-ring type, push-on joint, or standard mechanical joint pipe, as manufactured by the American Cast Iron Pipe Company, U.S., Pipe and Foundry Company, Clow Corporation, or approved equal.
- C. Fittings must meet the requirements of ANSI/AWWA C110. Rubber gaskets must conform to ANSI A21.11 mechanical and push-on type joints.
- D. All ductile iron pipe and fittings less than twelve inches (12") in diameter and larger must have cement mortar lining and bituminous seal coat on the inside, in accordance with AWWA C104, and coal tar enamel coat on the outside, in accordance with ANSI A 21.4.

All ductile iron pipe and fittings less than twelve inches (12") in diameter and larger must have a polyethylene lining on the inside and a coal tar enamel coating on the outside. Polyethylene must comply with ASTM S1248, compounded with carbon black to provide resistance to ultra violet rays during ground storage. The polyethylene must be 40 mills thick and must be bonded to the interior of the pipe and fittings by a heat process. The coal tar enamel outside coating must be in accordance with ANSI A21.4.

- E. Restrained joints must be provided at locations shown on the drawings. Restrained joint pipe and fittings for twelve inches (12") and smaller diameter pipe must be "Mechanical Joint with Retainer Gland", as manufactured by American Cast Iron Pipe Company; "Lok-Tyton", as manufactured by U.S. Pipe Company; "Super-Lock", as manufactured by Clow Corporation, or equal.

**11.04 IDENTIFICATION:**

Each length of pipe and each fitting must be marked with the name of manufacturer, size, and class. All gaskets must be marked with the name of manufacturer, size, and proper insertion direction.

**11.05 MANHOLE CONNECTIONS:**

Pipe stubs for all manhole connections should not exceed two feet (2') in length. Caps must be furnished where required.

**11.06 LAYING POLY-VINYL CHLORIDE (PVC) PIPE AND FITTINGS:**

- A. Poly-vinyl Chloride (PVC) pipe must be laid in accordance with the Jefferson Parish Department of Engineering Green Sheets and Standard Details. All work must be in accordance with industry standards. Embedment of pipe must conform to ASTM D2321, "Recommended Practice for Underground Installation of Flexible Thermoplastic Sewer Pipe". Bell holes must be excavated so that after installation, only the pipe barrel will bear upon the trench bottom. Proper selection/placement of bedding and backfill materials are necessary to minimize deflection of the pipe diameter. No blocking under the pipe will be permitted, except as allowed in these specifications.
- B. The Contractor must use care in handling/installing pipe and fittings. Storage of pipe on the

job site must be done in accordance with the pipe manufacturer's recommendation, and with approval of the Project Manager. Under no circumstances will pipe or fittings be dropped either into the trench or during unloading. The interior of the pipe must be kept clean of oil, dirt, and foreign matter, and the machined ends and couplings must be wiped clean immediately prior to joining.

- C. The Contractor must use a PVC pipe cutter where necessary to cut and machine all PVC pipe in the field. A "full insertion mark" must be provided on each field-cut pipe end. Field-cut pipe must be beveled with a beveling tool made especially for plastic pipe. Bevels must be in accordance with the manufacturer's requirements.
- D. Each length of pipe and each fitting must be marked with the normal size, the SDR designation, the name of the manufacturer or his trademark, and the date of manufacture.
- E. Rubber gaskets must be marked with manufacturer's identification, sizes, and proper insertion direction.
- F. The interior of the pipe and the jointing seal must be free from sand, dirt, and trash before installing in the line. Extreme care must be taken to keep the bells of the pipe free from dirt and rocks, so joints may be properly assembled, without over stressing the bells. The jointing of the pipe must be done in strict accordance with the pipe manufacturer's instructions and must be done entirely in the trench.
- G. Each time the work is halted for more than one (1) hour, the ends of the pipe should be closed to prevent foreign material from entering the pipe.
- H. In all cases where this type of pipe is installed, a metallic tape must be affixed to the top of the pipe. The tape shall be Type A-1 Alertine Detectable Marking Tape, or approved equal.

#### **11.07 LAYING DUCTILE IRON PIPE AND FITTINGS:**

- A. All buried piping must be installed in accordance with recommendations of the pipe manufacturer, and as specified herein.
- B. Care should be taken in handling, storage, and installation of pipe and fittings to prevent damage to the pipe or coating. All pipe and fittings must be examined before lying, and no piece should be installed which is found to be defective. All damage to the pipe coating must be repaired according to the manufacturer's recommendations.
- C. Rubber gaskets must be marked with manufacturer's identification, sizes, and proper insertion direction.
- D. The interior of the pipe and the jointing seal must be free from sand, dirt, and trash before installing in the line. Extreme care must be taken to keep the bells of the pipe free from dirt and rocks, so joints may be properly assembled, without over stressing the bells. The jointing of the pipe must be done in strict accordance with the pipe manufacturer's instructions and must be done entirely in the trench.
- E. Each time the work on the sewer is halted more than one (1) hour, the ends of the pipe should be closed to prevent foreign material from entering the pipe.

#### **11.08 MARKER TAPE:**

Marker tape must be installed on all lines. The color should be yellow with "CAUTION –

SEWER LINE BURIED BELOW" written on it. The tape must be two inches (2") wide, and located between the bedding and the backfill, along the centerline of the pipe.

**11.09 PIPE COUPLINGS:**

Repairs made to similar pipe must be accomplished with the use of similar repair couplings or spool pieces. Repairs made to dissimilar gravity sewer line pipe (i.e., PVC to clay, transit or other) must be accomplished with the use of shielded repair couplings with stainless steel shear rings and hardware. Shielded repair couplings must be Fernco's 5000 series or Mission Rubber's Arc. All pipe couplings must attach to the existing and replacement pipes by means of stainless steel bands with screw and housing to assure a positive seal around the pipe.

**TECHNICAL SPECIFICATIONS  
SECTION 12  
SEWER CLEAN-OUTS AND MANHOLES**

**12.01 SCOPE OF WORK:**

When ordered, the Contractor will be required to install service lateral clean-outs. A sewer clean-out installation will consist of all pipe, fittings, adapters, castings, and/or cover boxes. Sewer clean-out must be Type 1 installation as shown of the Standard Details. Materials for manhole rehabilitation are also covered herein.

**12.02 MATERIALS:**

- A. Approved pipe and fittings, (See "Replacement Pipe and Fittings")
- B. Clean-out Frame & Cover: Vulcan V-8504, or approved equal.
- C. Manhole Walls and Cones: Manufactured in accordance with ASTM C478.

**12.03 EXECUTION:**

- A. Sewer clean-outs are to be installed as indicated on the Standard Detail sheet. Sewer clean-out piping will be installed from the depth of the service lateral to the existing grade line, so that the sewer clean-out plug fitting and cover are flush with the grade line.

Sewer clean-out frame and cover are to be installed flush with grade line. The frame will be encased in a 4-inch thick square concrete footing, extending 3-inches around the clean-out frame.

- B. Each manhole or cone section must be installed as indicated on the drawings, and as specified herein. Wall sections must be furnished in lengths required to match the existing lengths as closely as possible.

Joints between the sections must comply with ASTM C443 and be sealed with neoprene gaskets, minimum thickness 3/16 inch or ram neck joint material.



**TECHNICAL SPECIFICATIONS  
SECTION 13  
CURED-IN-PLACE-LATERAL RECONSTRUCTION  
FROM CLEAN-OUT**

**13.01 DESCRIPTION:**

Work under this item will provide for the reconstruction of lateral sanitary sewer pipelines with the installation of resin impregnated, flexible felt tubes. The resin impregnated flexible felt tube must be installed into the existing service using a pull rope or a push rod. Curing must be accomplished with hot water or other methods approved by the Project Manager. The curing method must be suitable for the selected resin, such that the resin produces a hard, impermeable pipe wall. The cured-in-place pipe (CIPP) should extend throughout the initially defined and agreed upon length, in a joint less, continuous, tight fitting, watertight pipe-within-a-pipe, to effect a seal with the mainline reconstructed pipe. Approved products are those provided by LMK Enterprises and Insituform Technologies. Any process, including those named above or submitted as an approved equal, which has not been previously installed in the sewer collection system under the jurisdiction of the Jefferson Parish Department of Sewerage, will be required to meet the requirements of the General Conditions Section of these specifications, to prove acceptability of the product.

Materials will be governed by the requirements of Technical Specification Section 9 – "Pipe Rehabilitation by installation of Cured-in-Place Pipe".

**13.02 REFERENCE SPECIFICATIONS:**

This specification references ASTM test methods, which are made a part thereof by such reference, and must be the latest edition and revision thereof.

**13.03 GENERAL CORROSION REQUIREMENTS:**

The finished cured-in-place product must be fabricated from materials which, when cured, will be chemically resistant to withstand exposure to domestic sewage.

All constituent materials will be suitable for service in the environment intended. The final product will not deteriorate, corrode, or lose structural strength that will reduce the projected product life.

**13.04 CIPP MATERIALS:**

A flexible felt tube must be fabricated to a size that, when installed, will neatly fit the internal circumference of the conduit specified by the Owner. Allowance must be made for circumferential stretching during insertion.

The minimum length will be that deemed necessary by the Installer, as approved by the Owner, to effectively span the distance from the lateral connection at the main to the desired termination location in the service lateral pipe. The Installer must verify the lengths in the field before impregnation.

Unless otherwise specified, the Installer must furnish a specially designed, unsaturated, polyester resin and catalyst system compatible with the CIPP process that provides cured physical strengths specified herein.

**13.05 PHYSICAL STRENGTH:**

The structural performance of the finished pipe must be adequate to accommodate all anticipated

loads throughout its design life. No cured-in-place pipe reconstruction technology will be allowed that requires bonding to the existing pipe for any part of its structural strength. Only resin vacuum impregnation will be allowed. If reinforcing materials (fiberglass, etc.) are used, the reinforcing materials must be fully encapsulated within the resin to assure that the reinforcement is not exposed, either to the inside of the pipe, or at the interface of the CIPP and the existing pipe.

Design methods are to be derived from traditionally accepted pipe formulae for various loading parameters and modes of failure. All equations will be modified to include totality as a design parameter. The design method must be submitted to the Project Manager for approval.

The cured CIPP shall conform to the minimum structural standards listed below.

<u>CURED CIPP</u>	<u>ASTM Standards</u>	<u>Results</u>
Flexural stress	ASTM D 790	4,500 psi
Flexural Module of Elasticity	ASTM D 790	250,000 psi

### 13.06 INSTALLATION PREPARATION:

The following installation procedures must be adhered to, unless otherwise approved by the Owner's representative.

*Safety* – The Installer must carry out his operations in strict accordance with all applicable OSHA standards. Particular attention is drawn to those safety requirements involving entering confined spaces.

*Cleaning of Sewer Line* – It will be the responsibility of the Installer to remove all internal debris out of the sewer line (refer to standard sewer cleaning specification, contained in Technical Specification Section 6 – Cleaning)

*Inspection of Pipelines* – Inspection of pipelines must be performed by experienced personnel, trained in locating breaks and obstacles by closed circuit television. The interior of the pipeline must be carefully inspected to determine the location of any conditions, which may prevent proper installation of CIPP into the pipelines, and it must be noted so that these conditions can be corrected. A videotape and suitable log must be kept for later reference by the Owner.

*Bypassing Sewage* – The Installer, when required, must provide for the flow of sewage around the section or sections of mainline pipe where the service lateral designated for CIPP is located. The bypass must be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole, or adjacent system. The pump and bypass lines must be of adequate capacity and size to handle the flow.

The service lateral must be inactive during the time of installation. This is normally accomplished by turning off the homeowner's services, or requesting that the homeowner refrain from using his services during the required period of installation.

*Line Obstruction* – It will be the responsibility of the Installer to clear the line of obstructions such as solids, dropped joints, roots, or collapsed pipe that will prevent the insertion of the CIPP material. If inspection reveals an obstruction that cannot be removed by conventional sewer cleaning equipment, then the Installer must make a point repair excavation to uncover and remove, or repair the obstruction. Such excavation must be approved in writing by the Owner's representative prior to the commencement of the work, and will be considered as a separate pay item.

### **13.07 INSTALLATION OF CIPP:**

The Installer must designate a location where the felt tube will be vacuum impregnated prior to installation. The Installer will allow the Owner to inspect the materials and "Wet-out" Procedure. A catalyst system compatible with the resin and felt tube must be used.

The wet-out tube must be attached to a pull cable strung from the lateral and main to the downstream manhole. The tube will be pulled through the lateral so that the end ring projects into the main. The tube will be firmly seated against the mainline wall by pulling back on the end of the tube. The tube must be inflated with water or other appropriate medium to fully expand the tube and press it firmly against the walls of the existing lateral.

*Curing* – After inversion is completed, the Installer must supply suitable heat source and water recirculation equipment. The equipment must be capable of delivering hot water or other approved heat source throughout the section by means of a pre-strung hose, to uniformly raise the water temperature above the temperature required to affect a cure of the resin. This temperature will be determined by the resin/catalyst system employed.

The heat source must be fitted with suitable monitors to gauge the temperature of the incoming and outgoing water supply. Water temperature in the line during the cure period shall be recommended by the resin manufacturer.

Initial cure will be deemed complete, when inspection of the exposed portions of the CIPP appears to be hard and sound; and the temperature gauge indicates that the temperature is of a magnitude to realize an exothermic. The cure period shall be of a duration recommended by the resin manufacturer, as modified for the CIPP process, during which time the recirculation of the water and cycling of the heat exchanger to maintain the temperature continues.

*Cool-down* – the Installer shall cool the hardened CIPP to a temperature below 100 degree F before relieving the pressure in the pressure apparatus. Cool-down may be accomplished by the introduction of cool air into the pressure apparatus to replace water being forced out of the pressure apparatus. Care must be taken to maintain proper pressure throughout the cure and cool-down period.

*Finish* – The finished CIPP must be continuous over the entire length of an inversion run and be as free as commercially practical of dry spots, lifts, and delamination. The lateral CIPP must not inhibit the closed circuit television post video inspection of the mainline or service lateral pipes.

During the warranty period, any defects which will affect the integrity of strength of the CIPP must be repaired at the Installer's expense, in a manner mutually agreed upon by the Owner and the Installer.

After the work is completed, the Installer will provide the Owner with a videotape showing the completed work, including the restored conditions.

### **13.08 CLEAN-UP:**

Upon acceptance of the installation work, the Installer must restore the project area affected by his operations.

### **13.09 POST VIDEO:**

At the completion of the rehabilitation of a pipe-line a video inspection CD of the completed line segment will be given to the Project Manager by the Contractor. The Project Manager will use

this inspection to determine if this line has been restored in a satisfactory fashion.

This inspection must be performed, one section at a time, by closed circuit color television. The flow entering the section being inspected should be plugged. The television camera used for this inspection must be one that is specifically designed and constructed for such conditions. Picture quality and definition must be to the complete satisfaction of the Project Manager. If necessary, equipment will be removed and no payment made until satisfactory inspection is made. The camera must be pushed through the pipe slowly in order to fully inspect for any defects. Location records must be kept by the Contractor which will clearly show the exact location, in relation to adjacent manholes. A computer-generated copy of this log and data disk must be supplied to the Project Manager. In addition to the digital MPEG video recording, using a system compatible with Peninsular Technologies PT Scan software, the Contractor must provide a digital CD and the post video per Sections 24 and 25.

**TECHNICAL SPECIFICATIONS  
SECTION 14  
CIPP SERVICE LATERAL RECONSTRUCTION  
FROM MAINLINE PIPE (LONG SEGMENT)**

**14.01 DESCRIPTION:**

Work under this item will provide for the rehabilitation of service lateral sanitary sewer lines (normally without excavation), by the installation of a resin-impregnated, flexible, felt tube, inverted into the existing service lateral utilizing a pressure apparatus positioned in the mainline pipe. Curing must be accomplished by circulating hot water or other approved method to cure the resin into a hard impermeable pipe within-a-pipe. When cured, the cured-in-place pipe (CIPP) should extend over the length of the inversion in a continuous tight fitting, watertight pipe-within-a-pipe, to effect a water seal with the rehabilitated mainline pipe.

Materials will be governed by the requirements of Technical Specifications Section 9 - "Pipe Rehabilitation by installation of Cured-in-Place Pipe".

**14.02 REFERENCE SPECIFICATIONS:**

This specification references ASTM test methods, which are made a part hereof by such reference and must be the latest edition and revision thereof.

**14.03 GENERAL CORROSION REQUIREMENTS:**

The finished cured-in-place product must be fabricated from materials which, when cured, will be chemically resistant to withstand internal exposure to domestic sewage.

All constituent materials must be suitable for service in the environment intended. The final product should not deteriorate, corrode, or lose structural strength that will reduce the projected product life.

**14.04 CIPP MATERIALS:**

A flexible, felt tube shall be fabricated to a size that, when installed, will neatly fit the internal circumference of the conduit specified by the Owner. Allowance should be made for circumferential stretching during insertion.

The minimum length will be that deemed necessary by the Installer, as approved by the Owner, to effectively span the distance from the lateral connection at the main to the



desired termination location in the service lateral pipe. The installer must verify the lengths in the field before the tube resin impregnation begins.

One end of the tube must include a flexible felt brim similar to the edge of a top hat. This must be a minimum of 2 inches wide, and should be of the general size and angle of the service connection.

Unless otherwise specified, the Installer shall furnish a specially designed unsaturated, polyester resin and catalyst system compatible with the CIPP process, that provides cured physical strengths specified herein.

#### 14.05 PHYSICAL STRENGTH:

The structural performance of the finished pipe must be adequate to accommodate all anticipated loads throughout its design life. No cured-in-place pipe rehabilitation technology will be allowed that requires bonding to the existing pipe for any part of its structural strength. Only resin vacuum impregnation will be allowed. If reinforcing materials (fiberglass, etc.) are used, the reinforcing materials must be fully encapsulated within the resin or at the interface of the CIPP and the existing pipe.

Design methods are to be derived from traditionally accepted pipe formulae for various loading parameters and modes of failure. All equations will be modified to include totality as a design parameter. The design method must be submitted to the Project Manager for approval.

The final CIPP shall conform to the minimum structural standards listed below:

<u>Final CIPP</u>	<u>ASTM Standard</u>	<u>Results</u>
Flexible Stress	ASTM D790	4,500 psi
Flexural Modulus of Elasticity	ASTM D790	250,000 psi

The effectiveness of the seal between the installed service lateral CIPP and the mainline pipe must be documented by third-party testing. A written report, including the test procedures and results must be submitted to the Project Manager for approval.

#### 14.06 INSTALLATION PREPARATION:

The following installation procedures must be adhered to, unless otherwise approved by the Owner's representative.

*Safety* – The Installer must carry out his operations in strict accordance with all applicable OSHA standards. Particular attention is drawn to those safety requirements involving entering confined spaces.

*Cleaning of Sewer Line* – It will be the responsibility of the Installer to remove internal debris from the sewer line (refer to standard sewer cleaning specification contained in Technical Specification Section 6 – Cleaning).

*Inspection of pipelines* - Inspection of pipelines should be performed by experienced personnel, trained in locating breaks and obstacles by closed circuit television. The interior of the pipeline must be carefully inspected to determine the location of any conditions which may prevent proper installation of CIPP into the pipelines. It should be noted so that these conditions can be corrected. A video CD and suitable log should be kept for later reference

by the Owner.

*Bypassing Sewage* - The Installer, when required, shall provide for the flow of sewage around the section or sections of mainline pipe where the service lateral designated for CIPP is located. The bypass shall be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole or adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the flow.

It is required that the service lateral be inactive during the time of installation. This is normally accomplished by turning off the homeowner's services or requesting that the homeowner relinquish using his services during the required period of installation.

*Line Obstruction* - It shall be the responsibility of the Installer to clear the line of obstructions such as solids, dropped joints, roots or collapsed pipe that will prevent the insertion of the CIPP material. If inspection reveals an obstruction that cannot be removed by conventional sewer cleaning equipment, then the Installer shall make a point repair excavation to uncover and remove or repair the obstruction. Such excavation shall be approved in writing by the Owner's representative prior to the commencement of the work and shall be considered as a separate pay item.

#### 14.07

#### CIPP INSTALLATION:

The Installer will designate a location where the felt tube will be resin vacuum impregnated prior to installation. The Installer must allow the Owner to inspect the material and resin impregnation procedure. A catalyst system compatible with the resin and felt tube must be used.

The resin impregnated tube must be loaded inside pressure apparatus above ground. The pressure apparatus, with an end attached to a robotic device must be winched through the mainline pipe to the service connection. The robotic device, together with a television camera will be used to position the pressure apparatus' inversion elbow at the service connection opening. Air pressure, supplied to the pressure apparatus through an air hose, must be used to invert the resin impregnated tube through the lateral pipe. The inversion head will be adjusted to be of sufficient pressure to cause the impregnated tube to invert completely in the lateral pipe and hold the tube tight to the pipe wall. Care should be taken timing the elevated curing temperatures so as not to over-stress the tube.

The pressure apparatus should include a bladder, which inflates in the mainline pipe, effectively seating the brim portion of the tube tightly against the service connection.

*Curing* — After inversion is completed, the Installer must supply a suitable heat source and water recirculation equipment. The equipment must be capable of delivering hot water, or other approved heat source, throughout the section by means of a pre-strung hose, to uniformly raise the water temperature above the temperature required to affect a cure of the resin. This temperature should be determined by the resin/catalyst system employed. The heat source should be fitted with suitable monitors to gauge the temperature of the incoming and outgoing water supply. Water temperature in the line during the cure period must be recommended by the resin manufacturer.

Initial cure will be deemed to be complete when inspection of the exposed portions of the CIPP appear to be hard, sound, and the temperature gauge indicates that the temperature is of a magnitude to realize an exothermic. The cure period must be of a duration recommended by the resin manufacturer, as modified for the CIPP process, during which time the recirculation of the water and cycling of the heat exchanger to maintain the temperature continues.

*Cool-down* —The Installer should cool the hardened CIPP to a temperature below 100 degrees F before relieving the pressure in the pressure apparatus. Care should be taken to maintain proper pressure throughout the cure and cool-down period. Cool-down may be accomplished by the introduction of cool air into the pressure apparatus to replace water being forced out of the pressure apparatus.

*Finish* - The finished CIPP must be continuous over the entire length of an inversion run, and be as free as commercially practical of dry spots, lifts, and delamination. The lateral CIPP should not inhibit the closed circuit television post video inspection of the mainline or service lateral pipes.

During the warranty period, any defects which will affect the integrity of strength of the CIPP will be repaired at the Installer's expense, in a manner mutually agreed upon by the Owner and the Installer.

After the work is completed, the Installer will provide the Owner with a digital CD showing the completed work, including the restored conditions.

**14.08 CLEAN-UP:**

Upon acceptance of the installation work, the Installer must restore the project area affected by his operations.

**14.09 POST VIDEOS:**

At the completion of rehabilitation of a pipe-line, a video CD inspection of the completed line segment will be given to the Project Manager by the Contractor. The Project Manager will use this inspection to determine if this line has been restored satisfactorily. This inspection must be performed, one section at a time, by closed circuit color television. The flow entering the section being inspected should be plugged. The television camera used for this inspection must be one that is specifically designed and constructed for such conditions. Picture quality and definition must be to the complete satisfaction of the Project Manager. If necessary, equipment will be removed and no payment made until satisfactory inspection is made. The camera must be pulled through the pipe slowly, in order to fully inspect for any defects. Location records should be kept by the Contractor, which will clearly show the exact location of all house connections, in relation to adjacent manholes. A computer-generated copy of this log and data disk will be supplied to the Project Manager, per Sections 24 and 25.



**TECHNICAL SPECIFICATIONS**  
**SECTION 15**  
**LATERAL CONNECTION RECONSTRUCTION FROM MAINLINE**  
**BY CIPP METHODS (SHORT SEGMENT)**

**15.01 DESCRIPTION:**

Work under this item will consist of the reconstruction of service lateral connection (normally without excavation), by the installation of resin impregnated flexible felt tube inverted into the existing service lateral, utilizing an apparatus positioned in the mainline pipe. Curing should be accomplished by circulating hot water, or other approved method, to cure the resin into a hard impermeable pipe. When cured, the pipe should extend over the length of the inversion in a continuous tight fitting, watertight, pipe-within-a-pipe, to affect a seal with the reconstructed pipe. This method will be used in locations where no clean out exists, and installation of one to five foot lengths of lining material would repair/reinforce the lateral to mainline connection.

Materials will be governed by the requirements of Technical Specification Section 9 – “Pipe Rehabilitation by Installation of Cured-in-Place-Pipe”.

**15.02 METHOD:**

A resin impregnated tube is loaded inside a pressure apparatus above ground. In the case of a non-man entry pipe, the pressure apparatus is attached to a robotic placement device and winched through the main pipe to the service connection. Air supplied to the pressure apparatus is used to invert the tube and hold it tightly against the lateral pipe wall. Pressure is maintained throughout a heat induced cure by either air/stream pressure, hot water pressure, or a combination of both. Upon completion of cure, the pressure apparatus is removed, leaving the newly formed CIPP.

This method involves the use of standard and non-standard felt tubes and inversion techniques, and a “Top Hat” seal at the mainline, in order to produce a CIPP in the lateral with one end remotely accessible, and the other end not accessible. When utilizing this method there is no subsequent cutting or trimming, nor a remote end to be stripped out.

**TECHNICAL SPECIFICATIONS**  
**SECTION 16**  
**PRESSURIZED FORCE MAIN**  
**PIPE REHABILITATION BY REINFORCED CURED-IN-PLACE PIPE**

**16.01 GENERAL:**

It is the intent of this specification to provide for the reconstruction of existing pressurized sewer force main by installing a Reinforced Cured-In-Place Pressure Pipe (RCPP) within an existing structurally deteriorated pipe, which has maintained its original shape. The rehabilitation will be accomplished by the use of the Insituform® RPP Process, or an Engineer approved equal. The process is defined as the reconstruction of a deteriorated sanitary pressure pipe by installation of a thermosetting, resin impregnated, reinforced flexible felt/fiber tube (coated on one side with polyethylene), utilizing a water column. Curing is accomplished by circulating hot water (or other approved fluid) throughout the length of the tube to cure the thermosetting resin into a hard impermeable pipe. The pipe will extend the full length of the original pipe and will provide a structurally sound, joint less, close-fitting, cured-in-place pressure pipe.



**16.02                      REFERENCED SPECIFICATIONS:**

This specification references ASTM F1216 (Rehabilitation of pipelines by inversion and curing a resin impregnated tube), and ASTM D5813 (Cured-In-Place, Thermosetting Resin Sewer Pipe). In case of conflicting requirements between this specification and these referenced documents, this specification will govern.

**16.03                      GENERAL CORROSION REQUIREMENTS:**

The RCPP shall be fabricated from materials which, when cured, will be chemically resistant to withstand internal exposure to permitted storm water and sanitary sewerage.

**16.04                      MATERIALS:**

- A. The reinforced flexible felt/fiber tube shall be fabricated to a size that, when installed, will neatly fit the internal circumference of the conduit. Nominal tube thickness will be per design guidelines specified herein, and indicated on the bid form. Additional thickness will be used as required by design requirements.
- B. The minimum length shall be that deemed necessary by the Contractor to effectively span the distance from the inlet to the outlet of the respective termination points, unless otherwise specified. The Contractor will verify the lengths in the field before impregnation of the tube with resin.
- C. Unless otherwise specified, the Contractor will furnish a flexible vinyl ester resin and catalyst system such as Dow Derakane 411 or Interplastic 8319, that provides the cured physical strengths specified herein.
- D. The materials used will result in an installed CIPP flow capacity, which will be equal to, or greater than, 100% of the original pipe's flow capacity when new.
- E. Internal mechanical compression fit end seals will be required to seal the ends of the RCPP within the existing force main. Victaulic Depend-O-Lock (BRICO) end seals, or approved equal, are required.

**16.05                      DESIGN REQUIREMENTS:**

- A. Physical Strength: The RCPP must conform to the minimum standards listed below, or to the current standards approved by ASTM. Pipe thickness must be designed per ASTM F1216-X1.

Physical Property	Test Method	Minimum Value
Flexural Stress	#101 (Modified ASTM D-790)	4,500 psi
Flexural Modulus of Elasticity	#101 (Modified ASTM D-790)	250,000 psi

- B. The RCPP must be designed to withstand internal pressures of up to 40 PSI as a stand-alone pipe (fully deteriorated host pipe). Design calculations will be submitted to the owner for review, prior to commencement of work. Burial depths of most mains are approximately 7 feet deep.

#### 16.06 PRE-INSTALLATION PROCEDURES:

The following pre-installation procedures must be adhered to, unless otherwise approved by the Project Manager.

- A. *Safety* - The Contractor must carry out his operations in strict accordance with all applicable OSHA standards. Particular attention is drawn to those safety requirements involving work on an elevated platform and entry into a confined space.
- B. *Pre-inversion Cleaning* - It shall be the responsibility of the Contractor to remove all loose debris located in the sanitary sewer pipe.
- C. *Pre-inversion Inspection* - Inspection of sanitary sewer pipe must be performed by experienced personnel. Said personnel should be trained in the location of breaks, obstacles, and connections by closed circuit television inspection. The interior of the pipe must be carefully inspected to determine the location of any conditions which may prevent the proper installation of the RCPP, and it must be noted so that these conditions can be corrected. A videotape and suitable log should be kept for later reference by the Owner and/or Contractor.
- D. *Line Obstructions* - If inspection reveals an Obstruction or Protrusion (such as attached mortar, dropped joints, protruding taps, or collapsed pipe) that cannot be removed by conventional pipe cleaning equipment, and will prevent completion of the inversion process, a point repair will be made by the Owner, or the Owner's designated Contractor.
- E. *By-passing* - When required for acceptable completion of an inversion process task, and/or to avoid damage due to sewer spills or overflows, the Contractor will provide for sanitary water flow maintenance around the section or sections of pipe designated for the inversion process. The bypass will typically be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole, or adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the anticipated flow. Bypassing of sanitary sewerage into the storm water system will not be allowed.

#### 16.07 INSTALLATION PROCEDURES:

- A. *Wet Out* - The Contractor must wet-out the RCPP tube, using distribution rollers, and vacuum to thoroughly saturate the felt fiber tube, prior to installation. The Contractor will allow the Project Manager to inspect the materials and wet out procedure. A catalyst system compatible with the resin and tube must be used.

- B. *Insertion* - The wet out tube must be inserted through an approved access, and the application of a fluid column sufficient to fully extend it to the next designated termination point. The fluid column will be adjusted to be of sufficient height to cause the impregnated tube to hold tight against the existing pipe wall.
- C. *Curing* - After the insertion is completed, the Contractor should supply a suitable heat source and circulation system capable of delivering hot fluid uniformly throughout the section, to effect a consistent cure of the resin. The curing schedule must be that recommended by the resin/catalyst system manufacturer for pipeline rehabilitation.
- D. *Cool-down* - The Contractor shall cool the hardened RCPP to a temperature below 100 degrees Fahrenheit before relieving the fluid column. A constant fluid column height is to be maintained until cool-down is completed. Care should be taken in the release of the fluid column, so that a vacuum will not be developed that could damage the newly installed CIPP.
- E. *Warranty* - The finished CIPP must be continuous over the entire length of an inversion run, and be as free as commercially practicable from visual defects. It must also meet the water tightness test requirements specified below. During the warranty period, any defects that will affect the integrity or strength of the CIPP will be repaired at the Contractor's expense, in a manner mutually agreed to by the Owner and the Contractor. The warranty period is for one year after acceptance by the Parish.

**16.08 SEALING AT TERMINATIONS:**

The Contractor must install an internal compression fit mechanical seal at the ends of the newly installed RCPP to prevent any leakage. Victaulic Depend-O-Lock (BRICO) end seals, or approved equal, are required.

**16.09 TESTING:**

The water tightness of the CIPP will be gauged by monitoring the water level in the inversion tube while curing. The water testing must be done directly on the finished product.

A service test will be performed after the installation is complete, with the termination points exposed for inspection. The force main will be placed in service and observed for a 24 hour period. Any leaks of the rehabilitated pipe will be corrected by the contractor, at no cost to the Parish.

The Contractor will perform a test on a sample of the cured installed liner for each work order requested by the Owner. These tests will be conducted in accordance with Modified ASTM D-790 and will include the following:

- a. Thickness of sample
- b. Flexural strength
- c. Flexural modulus of elasticity

The final installed RCPP thickness must meet or exceed the minimum design thickness calculated for the installation to be deemed acceptable by the owner.

**16.10 CLEAN-UP:**

Upon acceptance of the installation work and testing, the Contractor will restore the project area affected by his operations.

**16.11 POST REHABILITATION VIDEOS:**

At the completion of the rehabilitation of a pipe-line, a video inspection CD of the completed line segment will be given to the Project Manager by the Contractor. The Project Manager will use this inspection to determine if this line has been restored satisfactorily.

This inspection must be performed, one section at a time, by closed circuit color television, using a radial view camera. The flow entering the section being inspected should be plugged, as previously described. The television camera used for this inspection must be one that is specifically designed and constructed for such conditions. Picture quality and definition must be to the complete satisfaction of the Project Manager. If necessary, equipment will be removed, and no payment made until satisfactory inspection is made. The camera must be pulled through the pipe slowly, in order to fully inspect for any defects. Location records should be kept by the Contractor, which clearly show the exact location of all house connections, in relation to adjacent manholes. A computer-generated copy of this log and data disk must be supplied to the Project Manager, per Sections 24 and 25.

**16.12 PATENTS:**

The Contractor must warrant to the Owner that the methods, materials, and equipment used herein, where covered by licenses, are furnished in accordance with such licenses. The bid prices must include any applicable royalties and fees in accordance with such licenses. The Contractor shall warrant and hold harmless the Owner against all claims for patent infringement and any loss thereof.

**TECHNICAL SPECIFICATIONS  
SECTION 17  
SEWER MANHOLE/WET WELL REHABILITATION  
BY A CEMENTITIOUS LINING METHOD**

**17.01 SCOPE OF WORK:**

This item will provide for manhole reconstruction to stop inflow, infiltration, and exfiltration; restore structural integrity; and provide protection against corrosion.

These specifications will govern all work, materials, and equipment required for manhole rehabilitation. This method will eliminate infiltration, provide corrosion protection, repair voids, and restore the structural integrity of the manhole. This will be done by applying a monolithic fiber-reinforced structural/structurally enhanced cementitious liner to the wall and bench surfaces of brick, concrete, or any other masonry construction materials.

Described herein are procedures for manhole preparation, cleaning, application, and testing. The applicator, shall furnish all labor, equipment, and materials for applying a cementitious mix to form a monolithic liner of a minimum ½ inch thickness with machinery specially designed for application. All aspects of the installation must be in accordance with the manufacturer's recommendations.

Lining materials must be those manufactured by AP/M Permaform – Johnston, IA, or Engineer approved equal.

**17.02 PATCHING MIX:**

A quick setting cementitious material must be used as a patching mix, and must be mixed and applied according to manufacturer's recommendations. Said patching mix must meet the following minimum requirements:

A. Compressive Strength (ASTM C-109)	6 Hrs. 1400 psi
B. Shrinkage (ASTM C-596)	0% at 90% R.H.
C. Bond (ASTM C-321)	28 days, 150 psi
D. Density, when applied	105+ (-) pcf

**17.03 INFILTRATION CONTROL MIX:**

A rapid setting cementitious product, specifically formulated for leak control, shall be used to stop minor water infiltration. The product must be mixed and supplied according to manufacturer's recommendations, and must have the following minimum requirements:

A. Compressive Strength (ASTM C109)	
600 psi	1 hour
1000 psi	24 Hrs.
B. Bond (ASTM C-32)	
30 psi	1 hour
80 psi	24 Hrs.

**17.04 GROUTING MIX:**

- A. Cementitious grout must be used for stopping very active infiltration and filling voids. It must be mixed and applied according to manufacturer's recommendations. The cementitious grout must be volume stable, have a minimum 28 day compressive strength of 250 psi, and a one (1) day strength of 50 psi.
- B. Chemical grouts may be used for stopping very active infiltration. It must be mixed and applied per manufacturer's recommendations.

**17.05 LINER MIX:**

A cementitious liner must be used to form a structurally enhanced monolithic liner covering all interior manhole surfaces. It must have the following minimum requirements at 28 days:

A. Compressive Strength (ASTM C-190)	10,000 psi
B. Tensile Strength (ASTM C-496)	600 psi
C. Flexural Strength (ASTM C-293)	600 psi
D. Shrinkage (ASTM C-596) @ 90 degrees relative humidity	0% psi
E. Bond (ASTM C-321)	130 psi
F. Density, when applied	105+ (-) pcf

The cementitious liner must be made with Calcium Aluminate Cement, and must be used according to manufacturer's recommendations in applications where there is



evidence of sever sulfide conditions (pH less than 3.0).

**17.06 WATER:**

Water must be clean and potable. Questionable water will be tested by a testing laboratory in, accordance with ASTM C-04. Potable water need not be tested.

**17.07 OTHER MATERIALS:**

No other material will be used with the mixes described in 17.02, 17.03, 17.04, and 17.05 without prior approval, or recommendations from the manufacturer.

**17.08 EQUIPMENT:**

- A. Specially designed machines consisting of: an optimized progressive cavity pump, capable of producing a minimum of 250 psi pumping pressure; a contra-blend mixer with twin ribbon paddle and end discharge; and an air system for spray application of product, must be used for applying the cementitious lining.
- B. The Contractor will be responsible for ensuring that application and installation of the cementitious liner is made in accordance with, and approved by the manufacturer.

**17.09 PREPARATION:**

- A. Covers must be placed over invert to prevent extraneous materials from entering the sewer lines.
- B. All foreign material must be removed from the manhole wall and bench, using a high pressure water spray (minimum 1200 psi). Loose and protruding brick, mortar, and concrete should be removed using a mason's hammer and chisel and/or scraper. Any large voids must be filled with quick setting patching mix.
- C. Active leaks must be stopped using quick setting, specially formulated mixes, according to manufacturer's recommendations. Some leaks may require weep holes to localize the infiltration during the application. When complete, the weep holes must be plugged with the quick setting mix, prior to the final liner application. When severe infiltration is present, drilling may be required in order to pressure grout, using a cementitious grout. Manufacturer's recommendation must be followed when pressure grouting is required.

**17.10 INVERT REPAIR:**

- A. After all preparation has been completed, all loose materials must be removed, and the wall must be washed again.
- B. Any bench, invert, or service line repair must be made at this time, using the quick setting patching mix, and shall be used according to manufacturer's recommendations.
- C. Invert repair must be performed on all inverts with visible damage or infiltration. After blocking flow through the manhole, and thoroughly cleaning invert, the quick setting patch mix should be applied to the invert in an expeditious manner. The mix must be troweled uniformly onto the damaged invert, extending out to the base of the manhole, to sufficiently tie into the structural/structurally enhanced monolithic liner to be applied. The finished invert surfaces must be smooth and free of ridges. The flow may be re-established in the manhole within 30 minutes after placement of the mix.

**17.11**

**MIXING:**

- A. For each bag of product, use the amount of water specified by the manufacturer and mix using the approved equipment, in accordance with the manufacturer's equipment.
- B. Place the mix into the holding hopper and prepare another batch, with timing such that the nozzle man can spray in a continuous manner, without interruption, until each application is complete.

**17.12**

**SPRAYING:**

**1<sup>st</sup> Application**

- A. Prior to spraying, the surface must be clean, and free of all foreign material. The surface should be damp, without noticeable water droplets or running water, but totally saturated, just prior to application. Materials must be spray applied from the bottom of the wall to the top, to a minimum uniform thickness to insure that all cracks, crevices, and voids are filled; and a relatively smooth surface remains right after troweling. The light troweling is performed to compact the material into voids and to set the bond.

**2<sup>nd</sup> Application**

- B. A second application is applied after the 1<sup>st</sup> application has begun to take an initial set (disappearance of surface sheen which could take 15 minutes to 1 hour, depending on ambient conditions) to assure a minimum total finished thickness of ½ inch. Again, application shall be from the bottom up. The surface must then be troweled to a smooth finish, taking care not to over trowel, which could bring additional water to the surface and weaken it. Manufacturer's recommendations must be followed whenever more than 24 hours have elapsed between applications. A brush finish is acceptable, and is applicator's option.

**3<sup>rd</sup> Application**

- C. The wooden covers must be removed at this time, and the bench sprayed so that a gradual slope is produced from the walls to the invert, with the thickness at the edge of the invert being no less than ½ inch. The wall/bench intersection shall be rounded to a uniform radius the full circumference of the intersection.

Mortar shall be installed when ambient temperatures are above 40 degrees F. Applying at temperatures below 40 degrees F is not recommended.

**17.13**

**CURING:**

Caution should be taken to minimize exposure of applied product to sunlight and air movement. If application of 2nd coat is to be longer than 15 minutes after completion of application of 1<sup>st</sup> coat, the manhole cover shall be set back in place. At no time should the finished product be exposed to sunlight or air movement for longer than 15 minutes before replacing the manhole cover. In extremely hot and arid climates, manhole should be shaded while reconstruction is in process.

The final application shall have a minimum of four (4) hours cure time before being subjected to active flow.

Traffic shall not be allowed over manholes for 24 hours after reconstruction is complete.

**17.14 WEATHER:**

The Contractor will apply cementitious lining in accordance with manufacturer's requirements concerning weather conditions.

**17.15 PRODUCT TESTING:**

Four – 2 inch cubes must be cast each day, or from every 50 bags of product used, and shall be properly labeled and sent in for testing, in accordance with the Owner's or Manufacturer's directions, for compression strength testing, as described in ASTM C-109.

**17.16 FINAL ACCEPTANCE TESTING:**

At the direction of the Owner or his assignee, the rehabilitated manholes must be tested as follows:

Visually verify the absence of leaks.

Perform an exfiltration test as follows:

- A. For manholes 0 – 6 foot deep – If water loss is one (1) inch or less in five minutes manhole is acceptable.
- B. For manholes over 6 feet deep – If water loss is one (1) inch or less plus 1/8 inch per additional foot of depth in five minutes, manhole is acceptable.

**17.17 VACUUM TEST:**

Vacuum Test Timetable Manhole Diameter

<u>Depth – feet</u>	<u>48 inches</u>	<u>60 inches</u>	<u>72 inches</u>	<u>96 inches</u>
4	10 sec.	13 sec.	16 sec.	19 sec.
8	20 sec.	26 sec.	32 sec.	38 sec.
12	30 sec.	39 sec.	48 sec.	57 sec.
16	40 sec.	52 sec.	64 sec.	76 sec.
20	50 sec.	65 sec.	80 sec.	95 sec.
24	60 sec.	78 sec.	96 sec.	114 sec.
+ Each 2'	+5 sec.	+6.5 sec.	+8.0 sec.	+9.5 sec.

- A. Manhole depths must be rounded to the nearest foot. Testing times for intermediate values of manhole depth must be interpolated. For manhole depths greater than 24 feet, the values shown in the last line of the table should be added to the 24-foot value for each additional 2 feet of depth.
- B. If the manhole or structure fails the vacuum test, the Contractor must perform additional repairs and repeat the test procedures until satisfactory results are obtained.
- C. After the manhole rehabilitation work has been completed, the Contractor will allow the Project Manager to visually inspect manhole. The finished surface must be free of blisters, "runs", "sags", or other indications of uneven lining thickness. There must be no evidence of visible leaks,

**17.18 WARRANTY:**

Contractor will warrant that installation of the cementitious liner was performed in accordance with manufacturer's recommendation and will remain free from defects, failure of the liner due to defective material, installation, or workmanship for a period of five years from the Date of Completion.

**TECHNICAL SPECIFICATIONS  
SECTION 18  
REMOVAL AND RESTORATION OF ROADWAYS,  
CONCRETE CURB AND GUTTERS, SIDEWALKS AND DRIVEWAYS**

**18.01 DESCRIPTION:**

All work performed under this Section must be in accordance with the appropriate section of the LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2006 edition and/or latest revisions), and/or Jefferson Parish Standard Details, unless modified herein or directed in the field. American Disability Act (ADA) requirements, as well as other Federal, State, or local code requirements will apply.

This section will include the removal and restoration of all paved and unpaved roadway and walkway areas encountered on the project. This work will include replacement of pavements, shell or stone surfaces, base courses, curbs, gutters, and other improvements removed or damaged by the Contractor during the course of this Contract.

The unit bid price for a removal and replacement item must include:

- Cost of removal
- Saw-cutting (as required)
- Transportation and proper disposal of the removed material
- Placement AND REMOVAL of temporary walking/parking surface in sidewalk and driveway area (temporary asphalt)
- Actual permanent replacement cost

---

Under no circumstances, will removed concrete or asphalt material be allowed to be stockpiled at the site. All debris is to be removed from the site at the end of the work day. The Contractor is not allowed to stockpile any new roadway bedding material in roadways overnight.

Temporary asphalt surfacing will be used in roadway/parking locations, as directed by the Engineer. This asphalt will be placed upon completion of work, with permanent repair being made in approximately 30 days. Payment for placement of temporary asphalt will be made under the applicable bid item.

Unless otherwise approved by the Project Manager, the kind of pavement to be constructed in replacement work shall correspond with the kind removed from the area, or as shown on the detail sheet. The respective kind of concrete (asphalt or Portland cement) must be placed, shaped, and finished to establish grade and cross section, by practicable means, which will result in a dense, uniform-textured pavement. Abutting edges of old pavement must be trimmed of all loose fragments, painted with asphalt, or thoroughly moistened with water, as appropriate, to provide good bond between the old and new pavement.



All manholes in the pavement area shall be isolated (boxed out), by means of placing an approved circular ring (joint) around them, square or rectangular sections, using flexible joint material. Manholes in sidewalk areas will be formed so that an expansion joint is on both sides of the manhole.

All backfilled trenches must be properly maintained by the Contractor, at no direct pay, until such time as reconstruction is begun.

Drawings included in these Contract Documents reflect "Typical roadway restoration details".

The Contractor is responsible for notifying the Engineer, testing lab, and Jefferson Parish representative, at least 24 hours in advance of any placement of concrete or asphalt. In addition, the Contractor is responsible for the proper and safe protection of the work area.

**18.02 REMOVAL OF SURFACING:**

All surfaces will initially be removed to a distance of one foot (1') outside the limits of the trench. Upon completion of all work, all concrete must be removed and replaced to the nearest joint, unless otherwise directed by the Project Manager or Owner. Final removal of asphalted concrete roadways will be to a minimum distance of three feet (3') from the edge of the trench and neat lined at this point. For driveway and sidewalk removal, if a joint does not exist at the property line or in close proximity to it, then the Contractor will make a saw-cut along this property line. There will be no direct payment for saw-cutting. Material removed will be properly disposed of at no direct pay. There will be no direct payment for the removal of curbing, which is attached to, and removed with the roadway surface.

**18.03 BASE COURSE:**

This work consists of furnishing and placing granular material for the roadway base, as per plan details, and in accordance with Section 501 and 1002 of the LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2006 and/or latest edition), unless otherwise specified.

The placement of the road base material will be confined to the limits of the trench line. If, due to the construction operation, the adjacent base material is disturbed adversely, the Contractor must remove and replace the material, as directed by the Engineer. This work will be done at the Contractor's, cost unless the disturbance is beyond the Contractor's control.

Density tests will be taken on the roadway base materials, as directed by the plans. The Contractor shall not be allowed to restore the roadway until the road base material in the trench area meet or exceed the following:

Density Requirements (Standard Proctor)

- A. Base Course (sand) -97%
- B. Base Course (Shell or sand/shell)-97%
- C. Base Course (stone) -95%
- D. Sub-base (sand) -97%

**18.04 BASE MATERIAL:**

Soil for base material must be pumped sand, obtained from the Mississippi River. It shall be an AASHTO Classification A-4, or better, having a Plasticity Index not to exceed "4", and a liquid not to exceed "25", and shall be free from trash, weeds, large lumps, humus, or any



other deleterious matter.

## 18.05

### ASPHALT CONCRETE PAVING:

#### A. Permanent re-surfacing

All materials and construction under this section shall conform to Section 501 of the LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2006 Edition and/or latest revision), unless otherwise specified. The gradation of the mix shall be Type 3, AC-30 for any temporary repairs, as well as the permanent Wearing Course and Binder Course specified in Table 1 of the referenced section. The thickness of each course is as shown on the standard details.

Saw-cutting will be required along the entire limits of the removed asphalt area; if in contact with existing asphalt.

Job Mix Formula (per latest DOTD Standards)

- |    |                |                  |
|----|----------------|------------------|
| 1. | Wearing Course | (Type 3, AC-30)  |
| 2. | Binder Course  | (Type 3, AC-30)  |
| 3. | Base Course    | (Type 5A, AC-30) |

#### B. Temporary Re-surfacing

Until permanent roadway pavement surfacing is placed, temporary asphalt re-surfacing, a minimum of 2 inches thick shall be placed and maintained at locations determined by the Owner's Representative. At major intersections and critical locations, a greater thickness may be ordered. Temporary resurfacing must be placed as soon as the condition of the backfill is suitable to receive it, and must remain in place until the condition of the backfill is suitable for permanent re-surfacing.

The temporary asphaltic concrete may be any type mixture listed in Section 501, except Type 5B, of the LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2006 Edition and/or latest revision).

Prior to placing temporary re-surfacing, the Contractor must level and compact the backfill on which the surfacing is to be placed. The grade of the backfill on which the re-surfacing is to be placed must be such as to provide the full thickness of temporary re-surfacing specified. The temporary resurfacing must be placed, rolled, maintained, removed, and disposed of by the Contractor.

## 18.06

### CONCRETE PAVEMENT:

All materials and construction under this section shall conform to Section 601 of the LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2006 Edition and/or latest revision), unless otherwise specified.

All existing concrete pavement, curbs, walks, and driveways must be replaced to the line, grade, and thickness that existed prior to construction, or as directed by the Engineer. Details of existing joints will be supplied at the time of construction. Prior to construction in an area, the Contractor must adequately reference the existing curb and other pavement elevations, to establish the pre-construction conditions.

The restored paving elevations must correspond to the elevations established prior to

construction in the area, or as modified by the Project Manager, to allow for drainage of the area.

Curbs and sidewalks will be removed to the nearest joint scorings. Concrete street panels will be removed from joint to joint, unless otherwise directed by the Owner or Project Manager. Should a field condition require saw-cutting the existing pavement, there will be no direct payment. All such expenses should be included in the applicable bid item for removal and replacement of paving.

Portland Cement Concrete Requirements for roadway pavement and curbs:

- a. Seven (7) sacks of cement per cubic yard
- b. 2" to 4" slump
- c. The use of Fly Ash in the mix will not be permissible

The pavement will not be opened to traffic until a compressive strength of 4,000 psi is attained. In no case will the pavement be opened to traffic within a three (3) day period after the concrete has been placed.

The final roadway surface finish must be a "Drag Finish" as defined in the LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2006 Edition and/or latest revision), or as otherwise directed by the Department of Public Works.

#### **18.07 CURBS, GUTTERS, AND MISCELLANEOUS:**

Replacement of curbs, gutters, walks, dikes, and other like structures will consist of similar and matching construction to that of adjoining undisturbed structures. Such construction must be at least equal in respects to that of the structures removed in the work, and as shown on the standard details. The replacement of items not covered in the bid form shall be handled by the Owner, or through a separate contract.

#### **18.08 TESTING REQUIREMENTS:**

All material and construction testing will be done as directed by the Project Manager, or, as follows:

Asphalt Roadways:

- a. One base thickness verification per 600 square yards or fraction thereof.
- b. One density test on the sub-base (if applicable) and base material per 600 square yards or fraction thereof.
- c. One pavement core for the thickness verification per 600 square yards of pavement or fraction thereof.

Concrete Roadways:

- a. One slump test minimum per 100 cubic yards (accumulated volume) of

concrete or fraction thereof.

- b. Four (4) cylinders minimum per 100 cubic yards (accumulated volume) of concrete or fraction thereof.
- c. Independent densities, slumps, cylinders, cores, etc. will be required for isolated areas.

An initial testing will be performed by the Parish's testing laboratory, at the Parish's expense. All costs for testing to determine compliance after the initial test shall be borne by the Contractor, and will be deducted from payments due to the Contractor. The total deductions for testing costs to be paid for by the Contractor will be included in the reconciliation of final quantities. The Contractor is also responsible for the cost of all canceled or re-scheduled tests.

There shall be no adjustment in bid prices for pavement thickness deficiencies. If the concrete core is less than specified, two additional cores on the same slab within a five-foot (5') radius must be taken. If one of these cores is less than specified, then the entire panel (joint to joint) must be removed and additional cores on other adjacent panels within the core range (600 square yards) must be taken and the same procedure followed.

Joint Sealers: All joints in roadway surface shall be cleaned and sealed with approved joint sealant.

**18.09**

**USE OF WIRE MESH:**

Wire mesh or rebar must be used in the replacement of sidewalks, driveways, and roadways, if it existed in the removed sections. The size and type used shall, at a minimum, be equal to, or better than that removed. There shall be no additional payment for the use of wire mesh.

**18.10**

**CLEANING FOR ACCEPTANCE OF STREET:**

Prior to acceptance, the Contractor will be required to clean up any street as a result of construction activity, as directed by the Project Engineer/Owner's Representative.

**TECHNICAL SPECIFICATIONS**  
**SECTION 19**  
**TRAFFIC REGULATIONS**

**19.01 REQUIREMENTS:**

A. The Contractor will be responsible for the development and implementation of a traffic control device plan (TCDP), which will provide for the safe and expeditious movement of traffic through construction zones. A construction zone is defined as the immediate area of actual construction, which interferes with the driving or walking public. The TCDP must comply with the requirements set forth in the Manual on Uniform Traffic Control Devices (MUTCD), as revised, and with the general requirement stipulated below.

The TCDP for the site shall address the conditions for providing traffic flow within the zone during the influence of construction. The TCDP shall be schematically drawn on sheet(s) large enough to show adequate details and be easily readable and reproducible. If larger than eleven inches by seventeen inches (11" x 17"), the sheet(s) shall be submitted with a reproducible transparency so the Owner and Engineer can produce additional copies, as needed.

The TCDP must be designed and stamped by a Professional Engineer registered in the State of Louisiana, who is qualified by education and experience. Said Engineer must perform this work to the standards of practice established by the Louisiana State Licensing Board for Professional Engineers and Land Surveyors. This project will involve the following:

- Traffic Control through Construction Zones
- Urban experience in MUTCD applications, plan preparations, studies in volume, speed, pedestrians, and tort liability

The Contractor must submit copies of the TCDP to the Engineer for the Owner's and Jefferson Parish Traffic Engineering Division's review and approval. Such approval is required prior to the start of any work, which might affect the traffic pattern in the area.

**B. Traffic Control**

The necessary precautions shall include, but not be limited to: proper construction warning signs, signals, lighting devices, markings, barricades, channelization, and hand signaling devices (flagging operation). The Contractor will be responsible for installation and maintenance of all devices and requirements, for the duration of the construction period.

All work shall be performed in accordance with LDOTD standard specification, 2006 edition, except as noted. In addition to items shown on the plans, traffic control devices shall be in accordance with the MUTC.

The Contractor will be responsible for removal, relocation, or replacement of any traffic control device in the construction area, which exists as part of the normal pre-construction traffic control scheme. Any such actions will be performed by the Contractor under the supervision of the Department of Engineering, Traffic Engineering Division, and in accordance with the Specifications, unless otherwise specified.

The Contractor will consult with the Project Engineer and the Jefferson Parish Traffic



Engineering Division immediately, on any vehicular/pedestrian safety or efficiency problem incurred as a result of construction of the project. If warranted, the Contractor's Engineer must make adjustments to the TCDP, and the Contractor must immediately implement the revised TCDP.

The Contractor is responsible for daily monitoring of traffic control devices, and must make appropriate changes to correspond to conditions.

A qualified Engineer must be provided by the Contractor to inspect the job site at the beginning of the project, after significant changes, and at 30-day intervals or more frequently, depending on the duration of the construction activity. A written report submitted to the Contractor, Project Engineer/Owner, and the Jefferson Parish Traffic Engineering Division, verifying compliance with the plan, adequacy of traffic control devices, and operating conditions will be required for each inspection. All deficiencies noted by the report must be corrected by Contractor.

As stated above, the Contractor will be responsible for development of a TCDP whenever normal traffic patterns are altered. Development of a "general" TCDP, which may be used in most residential areas on low volume streets (pending approval of the Owner) shall be considered a subsidiary obligation of the Contractor. Traffic Control Device Set Up, and Traffic Control Device Operation for implementation of this TCDP will also be considered a subsidiary obligation of the Contractor.

#### **GENERAL NOTES**

In these notes, the term "ENGINEER" shall mean "QUALIFIED TRAFFIC ENGINEER".

1. The design and application of all signals, pavement markings, channelizing devices, and warning signs must conform to the "Louisiana Manual on Uniform Traffic Control Devices", newest Edition as Revised, and the "Work Area Traffic Control Handbook" of Jefferson Parish.
2. Channelizing and delineation devices must be used to mark all construction areas. These must be Type II and/or Type III barricades, and/or barrels, all fully reflectorized with lights.
3. Traffic control devices must be used to mark all construction areas. These must be Type II and/or Type III barricades, and/or barrels, all fully reflectorized with lights.
4. Any temporary devices not applying to an appropriate situation, or that are no longer required, must be covered, removed, or obliterated by the Contractor.
5. The roadway and all traffic control devices must be restored to original conditions by the Contractor.
6. All excavation must be covered, backfilled, or protected, as directed by the Project Engineer, fully delineated (See Note 2) at night, and when work is not in progress. Excavated pits, etc. must be fully fenced or barricaded (See Note 2), to prevent access by pedestrians.
7. All materials and machinery must be stored outside of the road surface; creating no sight problems, and fully delineated, as in Note 2.
8. If sections of roadway are totally closed, the Contractor must notify the Sheriff's Traffic Division, 911 Operations, the Fire Department, and any major traffic generators (i.e. schools, etc.). A three working day, minimum, advance notice will be required.
9. On totally closed sections of the roadway, the Contractor must provide access for local traffic

only.

10. Barrels used for channelizing and delineation devices as part of this traffic control device plan must be weighted with sandbags, and fully reflectorized, with lights.
11. The Contractor must check traffic control devices on a daily basis. At a minimum, these devices must be checked when beginning and ending the work day, to insure adherence to the plans, and proper adequacy of devices for day and night visibility. On weekends, devices must be checked a minimum once per day.
12. The Engineer must inspect the job site at beginning and end, after significant changes, and at 30-day intervals. A written report must be submitted to the Contractor, and to Jefferson Parish Department of Public Works; verifying compliance with the plan, adequacy of traffic control devices, and operating conditions. All deficiencies noted by the report must be corrected by the Contractor. The Contractor must notify the Engineer immediately of any significant changes to the traffic control devices and operating conditions.
13. Flagman and/or Sheriff's control must be provided, as needed, and specified by the Engineer.
14. At the time of construction, any additional traffic control devices which may be required by the Engineer, the Jefferson Parish Department of Public Works, or the Contractor must be provided by the Contractor.
15. Yellow, high visibility, pennant barrier flagging (nylon rope with plastic pennants) must be strung between Type II barricades and barrels/drums, only as directed by the Engineer.
16. This traffic control device plan indicates general traffic control devices to be used on this project. It is anticipated that conditions will vary, depending on the phase under construction. The arrangement of those devices will be reviewed on a day-to-day basis. Should the Contractor have any question as to the arrangement of the devices, the Engineer shall be notified to make an inspection of the site.
17. The Contractor must provide for the movement of pedestrians at all times during construction. Care should be taken to keep existing sidewalks free of obstructions that may hinder pedestrian movements. If existing sidewalks must be obstructed, the Contractor must provide for the movement of pedestrians by posting appropriate signing, such as, "Sidewalk Closed – Use other Side of Street". Signing shall be reflectorized, and lighted at night. Also, where trenches are excavated outside of the roadway surface, the Contractor must provide at least one accessible crossing of the backfilled trench area for each dwelling, for use by pedestrians.
18. The Contractor shall provide as much access as possible to area businesses.

**TECHNICAL SPECIFICATIONS  
SECTION 20  
BY-PASS/EMERGENCY PUMPING**

**20.01 SCOPE OF WORK:**

This section provides for furnishing all equipment, fuel, labor, and materials necessary to set-up, operate, and maintain by-pass/emergency pumping. The Project Manager will assist with the quantities and disposition of water to be pumped. The Contractor will provide the necessary equipment to meet these minimum requirements.

**20.02 PLUGGING OR BLOCKING:**

It will be the responsibility of the Contractor to provide and install the required plug and blocking in the line for repair work, and as required for emergency pumping. This plug must be inserted into the line at a manhole immediately upstream from the section of line being repaired or inspected. The plug must be designed so that any portion of sewer flow can be released through the line. After all work has been completed, the plug and all blocking must be removed from the manhole.

**20.03 BY-PASS/EMERGENCY PUMPING:**

When by-pass or emergency pumping is required, the Contractor must supply the necessary pumps, conduits, fuel, and other equipment to divert the flow of wastewater around the work site, or emergency pumped sewer areas. By-passed and/or emergency pumping of sewerage must be diverted to the system below the work site, or as designated by the Director, Assistant Director, or the Project Manager. Said sewage cannot be diverted into the storm drainage system. The by-pass system or emergency pumping must be of sufficient capacity to handle existing flows, plus additional flow that may occur during periods of rain.

For projects expected to last longer than one normal work day, only submersible or above ground pumps with electric motors will be acceptable, without prior approval of the Project Manager. During an emergency normal diesel pumps will be acceptable. The Contractor will be responsible for supplying the required electrical feeds, electrical power, labor, fuel, and supervision to set up and operate the emergency pumping and by-pass system.

The Contractor must take every precaution to ensure that the plugging and by-passing of sewer flow does not cause flooding or damage to the public or private property being served by the sewers involved.

**TECHNICAL SPECIFICATIONS  
SECTION 21  
REQUEST FOR PAYMENT**

**21.01            REQUIREMENTS INCLUDED:**

Submit applications for payment to the Project Manager in accordance with the schedule established by Conditions of the Contract.

**21.02            FORMAT AND DATA REQUIRED:**

- A. Submit payment requests in the form required by Owner with itemized data typed on 8½" x 11" white paper continuation sheets.
- B. Provide itemized data on continuation sheet: Format, schedules, line items, and values.

**21.03            SUBSTANTIATING DATA FOR PROGRESS PAYMENTS:**

- A. All payment requests must be accompanied by a Certificate of Payment, a signed affidavit regarding previous payment received, and a short progress narrative describing work performed since previous payment submittal.
- B. When the Owner or the Project Manager requires additional substantiating data, the Contractor must submit suitable information, with a cover letter.
- C. Submit two (2) copies of all data required with a cover letter for each monthly pay request. Any additional substantiating data requested must also be submitted as required in Part B above.

**21.04            PREPARATION OF APPLICATION FOR FINAL PAYMENT:**

- A. Fill in application form as specified for progress payments.
- B. Use continuation sheet for presenting the final statement of accounting.

**21.05            SUBMITTAL PROCEDURE:**

- A. Submit applications for payment to the Project Manager at the times stipulated in the Agreement.
- B. Number: Two (2) copies of each application

**TECHNICAL SPECIFICATIONS  
SECTION 22  
FIELD INSPECTION REPORTS**

**22.01 DESCRIPTION:**

This work will consist of the preparation of Field Inspection Report(s) required during various stages of the Service Agreement work progression. The Field Inspection Report(s) to be prepared must be generated in a system compatible with the Peninsular Technologies, LLC PipeTech Software or Lucity. This work will be considered incidental to the cost of the associated fieldwork to create and acquire all pertinent data.

**22.02 PRE-REHABILITATION SUB-SYSTEM EVALUATION:**

- A. The Contractor must submit a pre-rehabilitation sub-system evaluation to the Owner, within 6 Weeks from completion of the field inspection work (including pipe inventory, physical inspection of manholes, smoke testing, dye-water flooding, and television inspection work).

For field inspection work:

1. An updated pipe inventory obtained from field survey.
2. One bound computer generated hard copy report per sub-system evaluated for each type inspection performed (pipe inventory, manhole physical inspection, smoke testing, and/or Condition Assessment CCTV inspection).
3. Media containing appropriate data and visual inspection results:  
Manhole Inspection – Digital JPEG images.  
Smoke Testing – Digital JPEG images of leaks.  
CCTV Inspection – Digital MPEG video as specified in Section 23.

- B. The Contractor must submit to the Owner a complete evaluation report of CCTV television inspection. This report must be produced using a system compatible with GBA Master Series TV Inspection Report and data processing equipment specifically designed to record and transfer all information gathered during the CCTV inspection, as noted in Section 23.

- C. There will be no additional compensation paid to the Contractor for the first set of inspection reports, images, and videos provided to the Owner.

- D. All evaluation reports must also include the following:

Map Changes – Forms noting any field variances from Owner provided work orders and/or maps.

Critical Damage Reports – Forms noting any defects or observations encountered in field inspection activities, which may indicate immediate failure, interruption of service, or sewer overflow may occur.

Cover Letter – A brief narrative describing any major issues identified during field inspection activities.



Glossary – A listing of any Contractor, software, or inspection report specific abbreviations and terminology, which may need to be clarified.

Appendix – Any original field forms used to collect data should be included as appendices.

**22.03 POST REHABILITATION REPORT UTILIZING A SYSTEM COMPATIBLE TO GBA MASTER SERIES:**

The following must be submitted to the Owner, as noted in Section 23:

- A. A CD with pre-rehabilitation and post-rehabilitation video inspections for any CIPP rehabilitated line segments.
- B. A computer-generated report detailing each line segment rehabilitated with any restored or CIPP rehabilitated service connection locations noted. The report should be provided using a system compatible with the Lucy program.
- C. A printed pipe inventory of all line segments included in the post-rehabilitation report.
- D. An upload disk including all pertinent data modified by rehabilitation activities, including but not limited to: television inspection, manhole inventory, etc.; in Lucy compatible Format.

**22.04 HISTORY:**

The Contractor will be required to prepare an electronic digital version of "activity history records" for all inspection, repair, and rehabilitation efforts performed on this contract. This data upload must be prepared and transferred using a Lucy compatible program.

**22.05 POST DIGITAL VIDEO COLLECTION IMPLEMENTATION VHS TAPE CONVERSION:**

In the event that the Owner must retroactively convert prior video inspection data, the Contractor shall provide the capability to convert this pre-existing data and associated video into the format specified herein.

**TECHNICAL SPECIFICATIONS  
SECTION 23  
NEW DATA MANAGEMENT SYSTEM**

**23.01 GENERAL:**

Jefferson Parish utilizes the Lucy program to facilitate the complex task of managing work performed by Parish forces and outside contractors/consultants. Throughout the normal management of the Parish's wastewater collection system, vast amounts of data are collected. The data collection software must be compatible with Peninsular Technologies' PipeTech® Software Suite. The use of this management system may be cancelled during a major disaster. Contractor must be prepared to use the data management system at the request of the Director, Assistant Director, or Project Manager.

**23.02 DIGITAL VIDEO/AUDIO RECORDING:**

- A. Digital Recording: The digital recording must include both audio and video information that

accurately reproduces the original picture and sound of the video inspection. The video portion of the digital recording must be free of electrical interference, and produce a clear and stable image. The audio portion must be sufficiently free of background and electrical noise, to produce an oral report that is clear and discernible.

- B. Separate MPEG Video files must be created for each pipe segment inspected. If a reverse setup is required, the individual portions of that pipe segment will be stored in separate MPEG Video files.
- C. The pipeline inspection will consist of identifying a location in both the pipe segment (physical location), and within the digital recording (video frame location), for each defect or observation. The use of time codes for defect locations will NOT be deemed equivalent or acceptable. This will allow the digital recording and inspection data to be cross-referenced for instant access to any point of interest within the digital recording.

#### **23.03 DATA STORAGE:**

- A. Inspection information must be stored in a relational database management system that employs relationships to increase data integrity and reduce data storage space.
- B. The inspection information must include the Digital Recording of video and audio; Segment Identification information (Starting MH, Date, Time, etc.); Observation Information (Observation Code, Location, Clock Position, etc.), including a pointer from each observation to the digital recording (Video frame Number); and any accompanying digital still images (JPEG or BMP).
- C. All inspection information must be written to digital media for archival and future review purposes.

#### **23.04 CCTV SOFTWARE:**

The Parish utilizes Peninsular Technologies PipeTech Software for field video acquisition and quality control. The Contractor will be responsible for all costs associated with procurement of compatible software for the Contractor's use.

- A. Pipe Tech Scan provides for the in-field digital acquisition of sewer video inspection data. Scan captures and compresses video in real time. Defects and observations are entered on an electronic log sheet and cross referenced with the video. Field reports can be generated from Scan.
- B. Pipe Tech Check & View provides for the playback of the digital sewer video inspection data and allows for editing prior to placing on a CD. View allows for viewing of the data once scanned and edited. Scenes can be skipped and final reports can be generated from View.

#### **23.05 Lucity Software:**

To facilitate the efforts by the Parish to manage its wastewater infrastructure needs, the Contractor will be required to utilize a program compatible to the Lucity program to electronically store and analyze field data from video inspection and sewer rehabilitation tasks. The Contractor must deliver uploads of the most recently completed field work to the Parish, at the owner's request.

**TECHNICAL SPECIFICATIONS  
SECTION 24  
CONTRACT CLOSEOUT**

**24.01        REQUIREMENTS INCLUDED:**

The Contractor must comply with the requirements stated in the Conditions of the Contract, and in specification for administrative procedures in closing out the work.

**24.02        FINAL ADJUSTMENT OF ACCOUNTS:**

- A. Submit a final statement of accounting to the Project Manager
- B. Statement shall reflect all adjustments to the Contract Sum:
  - 1. The original Contract Sum
  - 2. Additions and deductions resulting from:
    - a. Cap Increase
  - 3. Total Contract Sum, as adjusted.
  - 4. Previous payments
  - 5. Sum remaining due

**24.03        FINAL APPLICATION FOR PAYMENT:**

The Contractor must submit the final application for payment, in accordance with the procedures and requirements stated in the conditions of the contract.

**24.04        CONTRACTOR'S CLOSEOUT SUBMITTALS TO PROJECT MANAGER:**

- A. Project Record Documents
- B. Warranties and Bonds
- C. Evidence of Payment and Release of liens: Requirement of General and Supplementary Conditions
- D. Certificate of Insurance for Products and Completed Operations

**TECHNICAL SPECIFICATIONS  
SECTION 25  
SPECIAL PROJECT PRODECURES**

**25.01 PROJECT MEETINGS:**

- A. The Engineer will schedule and administer the pre-construction meeting, periodic progress meetings, and specifically called meetings throughout progress of the work. Representatives of contractors, sub-contractors, and suppliers attending the meetings must be qualified and authorized to act on behalf of the entity each represents.
- B. The Project Manager will schedule a pre-construction meeting prior to beginning of construction. The pre-construction meeting will be held at a central site, convenient for all parties, designated by the Project Manager. Attendance at the pre-construction meeting will include Owner's representative, Project Manager, and Contractor's superintendent. The pre-construction meeting shall consist of at least the following items:
  - 1. Designation of responsible personnel
  - 2. Submittals
  - 3. Requests for Payment
  - 4. Procedures for maintaining Record Documents

**25.02 HOUSE CONNECTION REPLACEMENT PRIOR TO CIPP:**

For deteriorated or damaged connections, or ones, which are protruding and cannot be cut internally, the Contractor will excavate and make the repair prior to installation of the CIPP.

**25.03 HAZARDOUS LOCATIONS:**

- A. The existing manholes or other confined spaces may be hazardous, in that explosive concentrations of sewage gas and/or deficient oxygen levels may be present. A direct reading combustible gas indicator and oxygen meter must be utilized to establish explosive gas concentrations and oxygen levels prior to entry. Oxygen levels between 19.5% and 21.4%, and Lower Explosive Limit (LEL) levels below 10% will be required for entry without personnel protection equipment. Readings for hydrogen sulfide levels will be obtained prior to entry. Entry without personnel protection equipment will be allowed for hydrogen sulfide concentrations below concentrations of 10 parts per million (ppm). All personnel entry in these areas must be in strict accordance with OSHA standards for confined space entry, including, but not limited to Code of Federal Regulation 1910.146.
- B. The contractor shall also instruct and prohibit employees, and the employees of sub-contractors, from smoking while in the hazardous areas. Suitable, prominent "No Smoking" signs must be placed at locations indicated by the Program Manager.

**TELEVISION INSPECTION FORM**

UPSTREAM MANHOLE: \_\_\_\_\_ ADDRESS: \_\_\_\_\_ BANK: \_\_\_\_\_

QUALIFIER: \_\_\_\_\_

DOWNSTREAM MANHOLE: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

QUALIFIER: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_ TOTAL M/L LENGTH: \_\_\_\_\_ (FT) UPS M/H DEPTH: \_\_\_\_\_

TV DIRECTION.....|\_\_\_\_\_|1-US → DS 2-DS → US

INSPECTION CREW.....|\_\_\_\_\_|

WEATHER.....|\_\_\_\_\_|1-DRY 2-WET 3-RAIN 4-DAY AFTER RAIN

LOCATION.....|\_\_\_\_\_|1-PRIVATE LINE 2-STREET ROW HVY TRFC 3-STREET ROW LGT TRFC 4-EASEMENT PR ACCESS  
5-EASEMENT GD ACCESS 6-PRKG LOT GD ACCESS 7-PRKG LOT GD ACCESS 8-ALLEY PR ACCESS  
9-ALLEY GD ACCESS 10-OPEN AREA PR ACCESS 11-OPEN AREA GD ACCESS

DYED TEST.....|\_\_\_\_\_|1-NO 2-YES

FLOW DEPTH.....|\_\_\_\_\_|TOO NEAREST FULL INCH

PURPOSE.....|\_\_\_\_\_|1-TV EXISTING LINE 2-TV NEW LINE 3-TV REHABILITATED LINE 4-TV PRE-REHABILITATED LINE

FLOW.....|\_\_\_\_\_|1-NORMAL FLOW 2-ADDED FLOW 3-NO FLOW

TAPE NO.....|\_\_\_\_\_|

COUNTER START.....|\_\_\_\_\_| STOP.....|\_\_\_\_\_|

MAINT. PRIOR TO TV.....|\_\_\_\_\_|CLEANED |\_\_\_\_\_| KNIFED |\_\_\_\_\_| DEGREASER |\_\_\_\_\_| ROOT TREAT. |\_\_\_\_\_| POINT REP. |\_\_\_\_\_| MH REP. |\_\_\_\_\_|

PIPE SHAPE.....|\_\_\_\_\_|1-ROUND 2-ELLIPTICAL

DIAMETER/HEIGHT(IN).....|\_\_\_\_\_| WIDTH(IN).....|\_\_\_\_\_|

PIPE TYPE.....|\_\_\_\_\_|1-VCP 2-PVC 3-CONCRETE 4-REINFRCD PLSTC MORTAR 5-ASBESTOS CEMENT 6-CIP 7-RCP  
8-ABS 9-DIP 10-POLYETHYLENE 11-STEEL 12-TRUSS

LINER TYPE.....|\_\_\_\_\_|1-CIPP 2-FOLD & FORM 3-SLIPLINED 4-SPIRAL WOUND

SURFACE COVER.....|\_\_\_\_\_|1-ASPHALT ST 2-CONC ST 3-SHELL ST 4-SIDEWALK 5-TREES/SHRBS 6-CLS TO FENCE 7-OPEN AREA  
8-MOV BLDG 9-UNMOV BLDG 10-OVRHD UTIL 11-WTRWY/RAILWY 12-HGWY/RNWAY 13-PIPE ABV GRND 14-CONC  
DRVWY 15-PEA GRVL DRV 16-SHELL DRV 17-CONC PEA GRVL DRV 18-GRASS

PIPE JOINT LENGTH.....|\_\_\_\_\_|

COMMENTS

OB #	VTR INDEX	FOOT	CLOCK POS	CODE	RATING	INFLT (GPM)**	LAT. MAT.	LAT. DIA.	ADDRESS
1									
COMMENT:									
2									
COMMENT:									
3									
COMMENT:									
4									
COMMENT:									
5									
COMMENT:									
6									
COMMENT:									
7									
COMMENT:									
8									
COMMENT:									
9									
COMMENT:									

\*\* ENTER INFILTRATION RATE ONLY IF ACTUAL LEAKAGE IS OBSERVED |\_\_\_\_\_| Additional observations attached

16. OVERALL CONDITIONS .....|\_\_\_\_\_|1-GOOD 2-FAIR 3-POOR 4-VERY POOR

PAGE \_\_\_\_ OF \_\_\_\_



**TELEVISION INSPECTION FORM**

INSPECTION CREW:	DATE: ____/____/____	JOB NO:
UPSTREAM MANHOLE:	ADDRESS:	BANK:
QUALIFIER: _____		
DOWNSTREAM MANHOLE:	ADDRESS:	
QUALIFIER: _____		

**ADDITIONAL OBSERVATIONS**

OB #	VTR INDEX	FOOT.	CLOCK POS	CODE	RATING	INFLT (GPM)**	LAT. MAT.	LAT. DIA.	ADDRESS
10									
COMMENT:									
11									
COMMENT:									
12									
COMMENT:									
13									
COMMENT:									
14									
COMMENT:									
15									
COMMENT:									
16									
COMMENT:									
17									
COMMENT:									
18									
COMMENT:									
19									
COMMENT:									
20									
COMMENT:									
21									
COMMENT:									
22									
COMMENT:									
23									
COMMENT:									
24									
COMMENT:									
25									
COMMENT:									
26									
COMMENT:									
<input type="checkbox"/> Additional observations attached									

"General Decision Number: LA20210005 01/08/2021

Superseded General Decision Number: LA20200005

State: Louisiana

Construction Type: Heavy

Counties: Jefferson, Orleans, Plaquemines, St Bernard, St Charles, St James, St John the Baptist and St Tammany Counties in Louisiana.

HEAVY CONSTRUCTION PROJECTS (Includes flood control, water & sewer lines, and water wells. Also includes elevated storage tanks in all listed parishes except Plaquemines and St. James. Excludes industrial construction-chemical processing, power plants, and refineries.)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number    Publication Date

0 01/01/2021  
1 01/08/2021

CARP0729-001 07/01/2016

	Rates	Fringes
MILLWRIGHT.....	\$ 31.15	10.10

---

CARP1846-006 07/01/2020

	Rates	Fringes
CARPENTER (formbuilding/formsetting and Piledrivers).....	\$ 27.41	9.80

---

ELEC0130-005 11/30/2020

JEFFERSON, ORLEANS, PLAQUEMINES, ST. BERNARD, ST. CHARLES, ST.  
JAMES, AND ST. JOHN THE BAPTIST PARISHES

	Rates	Fringes
ELECTRICIAN (including low voltage wiring).....	\$ 31.65	13.13 -----

---

\* ELEC1077-002 12/07/2020

ST. TAMMANY PARISH

	Rates	Fringes
ELECTRICIAN (including low voltage wiring).....	\$ 25.69	3%+9.27 -----

---

ENGI0406-018 07/01/2009

	Rates	Fringes
OPERATOR: Power Equipment Bulldozer.....	\$ 21.26	6.70
Mechanic.....	\$ 23.31	6.70

---

PLAS0567-003 08/01/2018

Flagger.....	\$ 8.58	0.00
Mason Tender.....	\$ 7.25	0.00
Pipelayer.....	\$ 9.84	0.00
PIPEFITTER (excluding		
pipelaying).....	\$ 17.52	4.51
Power equipment operators:		
Backhoe/Excavator.....	\$ 14.42	0.00
Crane.....	\$ 16.34	3.30
Dragline.....	\$ 16.50	0.00
Front End Loader.....	\$ 13.89	0.00
Oiler.....	\$ 10.03	0.00
Truck drivers:		
Dump.....	\$ 11.01	0.00
Pickup.....	\$ 12.25	0.00

-----

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as

provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

-----

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example:

PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next



number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data.

EXAMPLE: UAVG-OH-0010

08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

---

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor                      200  
Constitution Avenue, N.W.  
Washington, DC 20210

- 2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor                      200  
Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

- 3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor                      200  
Constitution Avenue, N.W.  
Washington, DC 20210

- 4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION"

## **IMPORTANT NOTICE TO ALL BIDDERS – BID REQUIREMENTS**

### **A. LOUISIANA CONTRACTOR'S LICENSE FOR THIS PROJECT**

Must be in the following category:

MUNICIPAL AND PUBLIC WORKS CONSTRUCTION

### **B. PROBABLE CONSTRUCTION RANGES**

Range of The Probable Construction Cost for Base Bid:

Range of The Probable Construction Cost for Alternate No. 1:

Range of The Probable Construction Cost for Alternate No. 2:

Range of The Probable Construction Cost for Alternate No. 3:

Range of The Previous Contract Cap  
(Public Work Maintenance Contract):

\$5,000,000.00 - \$7,500,000.00

### **C. TIMELINES**

Except as where provided by law, Bidder agrees that this bid shall be legally binding and may not be withdrawn for a period of forty-five (45) calendar days after the scheduled closing time for receiving bids. In the event the Owner issues the Letter of Award (copy of adopted resolution awarding bid by Jefferson Parish Council) during this period, the bid accepted shall continue to remain binding pending execution of the Contract.

Bidder agrees to execute the ensuing Contract and will deliver applicable Bonds to secure the faithful performance thereof.

**PROTESTS:** Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-913 of the Jefferson Parish Code of Ordinances.)

Upon full execution of the Contract and receiving a written notice to proceed, the Bidder agrees that all work shall be completed as follows:

AS NOTED IN SPECIFICATIONS

### **D. SALES TAX EXEMPTION**

For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

**E. LIQUIDATED DAMAGES**

In accordance with Resolutions 136352 and 136353, Bidder agrees to pay, as liquidated damages, the sum of  for: (1) each consecutive calendar day after the agreed date of completion that the work remains substantially incomplete, or (2) each consecutive calendar day after substantial completion that the work has not been finally completed.

In addition to, but not in lieu of the per diem liquidated damages, Owner shall also be entitled to recover from Contractor or Contractor's Surety additional liquidated damages as detailed in Resolutions 113646 and 113647. These additional liquidated damages may include, but are not limited to the following, in the amounts and for each of the items identified in the Supplementary Conditions:

- (1) Extended architectural and/or engineering fees \$  ;
- (2) Extended Resident Project Representative fees \$  ;
- (3) Extended construction management fees \$  ;
- (4) Extended Owner's overhead and personnel expenses \$  ; and
- (5) Owner's other costs directly related to the delay in completion beyond the Contract Times.

Also, in accordance with Section 6.02, "Labor; Working Hours," whenever Contractor's work requires inspections in excess of the budgeted amount for inspection, Contractor shall reimburse Owner for the additional costs incurred by the Owner attributable to inspection of the contracted project in excess of the budgeted amount for inspections.

In accordance with the terms of the Engineer's agreement with the Owner, the average hourly rate to be charged for resident inspection for this construction project is \$  and the reasonable budget for such inspections is \$  (the overtime rates shall be \$  per hour). The cost of inspection in excess of this budgeted amount shall be assessed against Contractor's progress payments, all in accordance with LSA R.S. 38:2216(L)(2).

**F. METHODS OF BID SUBMISSION**

Online at no charge via Jefferson Parish's electronic procurement page by visiting [www.jeffparishbids.net](http://www.jeffparishbids.net). Registration and use of this site is free to Jefferson Parish vendors.

**G. ETHICAL STANDARDS AND COOPERATION WITH THE OFFICE OF THE INSPECTOR GENERAL, INCLUDING CONFLICTS OF INTEREST**

Vendor agrees by bid submission to comply with all provisions of Louisiana Law as well as compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, as published on <http://ethics.la.gov> and applicable Jefferson Parish ethical standards and Jefferson Parish Terms and Condition.

**Inspector General:** It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the inspector general in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). Every parish contract and every bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program shall contain a statement that the corporation, partnership, or person understands and will abide by all provisions of JPCO 2-155.10.

**Conflicts of Interest:** Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.



#### **H. REQUIRED AFFIDAVITS**

For convenience, all legally mandated affidavits have been combined into one form, entitled THE PUBLIC WORKS BID AFFIDAVIT. All bidders must submit with their bid submission, a completed, signed and properly notarized affidavit in its original format and without alteration in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration prior to, or at contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

#### **I. BID REQUIREMENTS (BID DOCUMENTS, SPECIFICATIONS, BONDS, W-9 AND PAYMENT INFO)**

Bidders must review the bid specifications and include any required documentation including but not limited to the LA Public Works Uniform Bid Form, Bid Security, Corporate Resolution or written evidence of signature authority, and the Public Works Affidavit. Pursuant to LA R.S. 38:2212(B)(3)(b), bidders shall also be responsible for providing any other documentation as required, i.e. federal grant documentation, etc. Please note that the payment and performance bonds must be supplied by the successful bidder at contract signing.

All vendors submitting bids should register as a Jefferson Parish vendor, if not already registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and click on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

Bidders must comply with all provisions of the General Terms and Conditions as approved by Resolution No. 136352 and/or 136353. A copy of these terms and resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, Louisiana 70053. Bidders may also obtain a copy by visiting the Purchasing Department's webpage at [www.purchasing.jeffparish.net](http://www.purchasing.jeffparish.net) and clicking on online forms.

**Bid Security:** Bidders shall provide bid security in the form of an electronic bid bond in the amount of five percent (5%) of the total bid price (Base Bid and any Alternates) (as per R.S. 38:2218). Such security will become the property of the Owner in the event the successful bidder fails or refuses to execute the Contract or fails to produce performance and payment bonds upon contract signing.

When submitting online, bidders must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.

**Performance Bond:** A performance bond is required in 100% of the contract amount and is due at the signing of the formal contract.

**Payment Bond:** A payment bond is required in 100% of the contract amount and is due at the signing of the formal contract.



**J. INSURANCE REQUIREMENTS**

All Bidders must submit with bid submission a current (valid) insurance certificate evidencing required coverages. Failure to comply will cause the bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

**JEFFERSON PARISH REQUIRED STANDARD INSURANCE**

☒ **WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence. Property Damage Liability \$1,000,000.00 each occurrence.

**UMBRELLA LIABILITY COVERAGE**

An umbrella policy or excess may be used to meet minimum requirements.

**FOR CONSTRUCTION AND RENOVATION PROJECTS:**

The following are required if selected. Such insurance is due upon contract execution.

☐ **OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

☐ **BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

**INSURANCE DEDUCTIBLES** - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

**K. INDEMNIFICATION**

Bidder acknowledges that Bidder recovered the cost of any required insurance in the contract price as required by La.R.S. 9:2780.1(l) and that Bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson Parish harmless and that Bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that Bidder has obtained.

## LOUISIANA UNIFORM PUBLIC WORK BID FORM

50-00133558

Page: 6

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and address of owner)

BID FOR: ONE YEAR PRE-PLACED EMERGENCY C  
FOR POINT REPAIR/LINING. EMERGE  
SEWER RECONSTRUCTION & CLEANING  
EXISTING SANITARY SEWERS FOR TH  
(Owner to provide name of project and  
other identifying information)

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: \_\_\_\_\_

and dated: \_\_\_\_\_  
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following ADDENDA: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) \_\_\_\_\_

**TOTAL BASE BID:** For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" \* but not alternates) the sum of: \_\_\_\_\_

\_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**ALTERNATES:** For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

**Alternate No. 1** (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

\_\_\_\_\_ N/A \_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**Alternate No. 2** (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

\_\_\_\_\_ N/A \_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**Alternate No. 3** (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

\_\_\_\_\_ N/A \_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**NAME OF BIDDER:** \_\_\_\_\_

**ADDRESS OF BIDDER:** \_\_\_\_\_

**LOUISIANA CONTRACTOR'S LICENSE NUMBER:** \_\_\_\_\_

**NAME OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**TITLE OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER \*\*:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA  
UNIFORM PUBLIC WORK BID FORM:**

\* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

\*\* A CORPORATE RESOLUTION OR WRITTEN EVIDENCE of the authority of the person signing the bid for the public work as prescribed by LA-R.S. 38:2218 (B)(5).

**BID SECURITY** in the form of a bid bond, certified check or cashier's check as prescribed by LA-R.S. 38:2218.(A) is attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0001 - Manhole, catch basin and wetwell inspection	
	<input type="checkbox"/> Alt.#	ONE YEAR PRE-PLACED EMERGENCY CONTRACT FOR POINT REPAIR/LINING, EMERGENCY	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0001	50.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0002 - Smoke testing	
	<input type="checkbox"/> Alt.#		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0002	5,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0003 - Dye water flooding	
	<input type="checkbox"/> Alt.#		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0003	10.00	HR	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0004 - Clean 8 inch or 10 inch sewer of debris	
	<input type="checkbox"/> Alt.#		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0004	10,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0005 - Clean 12 inch sewer of debris	
	<input type="checkbox"/> Alt.#		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0005	2,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0006 - Clean 15 inch or 18 inch sewer of debris	
	<input type="checkbox"/> Alt.#		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0006	1,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0007 - Clean 21 inch or 24 inch sewer of debris	
	<input type="checkbox"/> Alt.#		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0007	500.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0008 - Clean wet well	
	<input type="checkbox"/> Alt.#		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0008	8,000.00	GL	

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0009 - Remove sewage by vacuum or pump trucks up to 16,000 gallons	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0009	16,000.00	GL	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0010 - Remove sewage by vacuum or pump trucks up to 32,000 gallons	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0010	32,000.00	GL	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0011 - Remove sewage by vacuum or pump trucks up to 90,000 gallons	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0011	90,000.00	GL	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0012 - Video inspection/radial view camera in 8 inch thru 12 inch pipe	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0012	10,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0013 - Video inspection/radial view camera in 15 inch thru 24 inch pipe	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0013	1,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0014 - TV/inspection/dye-flooding or exfiltration testing 6 inch - 12 inch pipe	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0014	500.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0015 - TV Inspection/dye-flooding or exfiltration testing 15 inch - 21 inch pipe	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0015	500.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0016 - Remote illumination of 15 inch - 21 inch pipe	<input type="checkbox"/> Alt.#
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0016	10.00	EA	

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0017 - Additional setup for TV inspection 6 inch thru 12 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0017	10.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0018 - Additional set up for TV inspection 15 inch thru 24 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0018	10.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0019 - Insertion of 4.5 mm cured in place pipe in 6 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0019	1,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0020 - Insertion of 4.5 mm cured in place pipe in 8 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0020	2,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0021 - Insertion of 6.0 mm cured in place pipe in 8 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0021	5,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0022 - Insertion of 6.0 mm cured in place pipe in 10 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0022	1,000.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0023 - Insertion of 6.0 mm cured in place pipe in 12 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0023	750.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0024 - Insertion of 6.0 mm cured in place pipe in 15 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0024	750.00	LF	

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0025 - Insertion of 6.0 mm cured in place pipe in 18 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0025	300.00	LF	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0026 - Insertion of 7.5 mm cured in place pipe in 21 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0026	300.00	LF	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0027 - Insertion of 9.0 mm cured in place pipe in 24 inch pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0027	100.00	LF	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0028 - Additional 1.5 mm thickness for 6 inch and 8 inch cured in place pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0028	100.00	LF	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0029 - Additional 1.5 mm thickness for 10 inch and 12 inch cured in place pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0029	100.00	LF	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0030 - Additional 1.5 mm thickness for 15 inch and 18 inch cured in place pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0030	50.00	LF	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0031 - Additional 1.5 mm thickness for 21 inch and 24 inch cured in place pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0031	50.00	LF	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0032 - Lateral reconstruction from cleanout by cured in place pipe	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0032	25.00	EA	UNIT PRICE EXTENSION (Quantity times Unit Price)

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0033 - Extension of lateral reconstruction from cleanout by cured in place pipe
REF NO.	QUANTITY	UNIT OF MEASURE
0033	100.00	LF

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0034 - Set up for long segment lateral reconstruction from mainline cured in place pipe
REF NO.	QUANTITY	UNIT OF MEASURE
0034	15.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0035 - Long segment lateral reconstruction from mainline cured in place pipe
REF NO.	QUANTITY	UNIT OF MEASURE
0035	30.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0036 - Extension of long segment lateral reconstruction from mainline by cured in place pipe
REF NO.	QUANTITY	UNIT OF MEASURE
0036	100.00	LF

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0037 - Setup for short segment lateral cured in place pipe lateral connection reconstruction
REF NO.	QUANTITY	UNIT OF MEASURE
0037	20.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0038 - Short segment lateral connection reconstruction from mainline by cured in place pipe
REF NO.	QUANTITY	UNIT OF MEASURE
0038	100.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0039 - Service reconstruction/ replacement by excavation 0 - 6 feet deep
REF NO.	QUANTITY	UNIT OF MEASURE
0039	10.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0040 - Service reconstruction/ replacement by excavation 6 - 10 feet deep
REF NO.	QUANTITY	UNIT OF MEASURE
0040	10.00	EA

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0041 - Service reconstruction/ replacement by excavation 10 feet deep or greater
REF NO.	QUANTITY	UNIT OF MEASURE
0041	10.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0042 - Repair/adjust cleanout
REF NO.	QUANTITY	UNIT OF MEASURE
0042	20.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0043 - Installation of sewer cleanout Type 1
REF NO.	QUANTITY	UNIT OF MEASURE
0043	20.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0044 - Replace section of service line
REF NO.	QUANTITY	UNIT OF MEASURE
0044	20.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0045 - Restore 6 inch to 10 inch main by point repair (0 to 8 foot deep)
REF NO.	QUANTITY	UNIT OF MEASURE
0045	4.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0046 - Restore 6 inch to 10 inch main by point repair (8 foot to 12 foot deep)
REF NO.	QUANTITY	UNIT OF MEASURE
0046	2.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0047 - Restore 6 inch to 10 inch main by point repair (beyond 12 foot deep)
REF NO.	QUANTITY	UNIT OF MEASURE
0047	2.00	EA

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0048 - Restore 6 inch to 10 inch main beyond point repair (0 to 8 feet deep)
REF NO.	QUANTITY	UNIT OF MEASURE
0048	10.00	LF

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0049 - Restore 6 inch to 10 inch main beyond point repair (8 to 12 feet deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0049	10.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0050 - Restore 6 inch - 10 inch main beyond point repair (beyond 12 feet deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0050	10.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0051 - Restore 12 inch to 24 inch main by point repair (0 to 8 feet deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0051	16.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0052 - Restore 12 inch to 24 inch main by point repair (8 feet to 12 feet deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0052	16.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0053 - Restore 12 inch to 24 inch main by point repair (beyond 12 feet deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0053	16.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0054 - Restore 12 inch to 24 inch main beyond point repair (0 to 8 feet deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0054	16.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0055 - Restore 12 inch to 24 inch main beyond point repair (8 to 12 foot deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0055	16.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0056 - Restore 12 inch to 24 inch main beyond point repair (beyond 12 feet deep)	<input type="checkbox"/> Alt.#
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0056	16.00	LF	

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0057 - Insertion of tee for service lateral in 8 inch - 12 inch mainline		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0057	10.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0058 - Insertion of tee for service lateral above 12 inch mainline		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0058	10.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0059 - Restore 4 inch force main		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0059	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0060 - Restore 6 inch force main		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0060	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0061 - Restore 8 inch force main		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0061	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0062 - Restore 10 inch force main		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0062	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0063 - Restore 12 inch force main		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0063	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#	0064 - Restore 14 inch force main		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0064	50.00	LF		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0065 - Restore 16 inch force main	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0065	50.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0066 - Restore 18 inch force main	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0066	50.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0067 - Restore 20 inch force main	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0067	50.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0068 - Restore 24 inch force main	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0068	50.00	LF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0069 - Additional sheeting, bracing, (as directed)	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0069	1,000.00	BDFT	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0070 - Additional granular material	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0070	500.00	CUYD	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0071 - Additional limestone	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0071	500.00	CUYD	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0072 - Exploratory excavation	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0072	80.00	HR	

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053

(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0073 - Repoint existing sewer manhole or wetwell	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0073	2,000.00	SQFT	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0074 - Sewer manhole or wetwell rehab by cementitious lining method	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0074	10,000.00	SQFT	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0075 - Manhole cover adjustments	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0075	20.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0076 - Rehabilitate manhole bench/trough	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0076	20.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0077 - Remove and replace manhole cone	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0077	5.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0078 - Remove and replace manhole wall	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0078	100.00	VF	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0079 - Repair manhole line connection	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0079	20.00	EA	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0080 - Replace manhole cover and casting	<input type="checkbox"/> Alt.#__
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE
0080	10.00	EA	

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0081 - Remote cut and brush services <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0081	250.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0082 - Internally trim protruding service connection <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0082	25.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0083 - Set up 3 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0083	20.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0084 - Set up 4 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0084	20.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0085 - Set up 6 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0085	10.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0086 - Set up 8 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0086	5.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0087 - Set up 10 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0087	2.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0088 - Set up 12 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0088	1.00	EA		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0089 - Operation of 3 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0089	75.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0090 - Operation of 4 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0090	75.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0091 - Operation of 6 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0091	50.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0092 - Operation of 8 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0092	20.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0093 - Operation of 10 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0093	10.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0094 - Operation of 12 inch bypass pump <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0094	10.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0095 - Extension of 6 inch bypass discharge force main piping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0095	200.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0096 - Extension of 8 inch bypass discharge force main piping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0096	200.00	LF		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0097 - Extension of 10 inch bypass discharge force main piping		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0097	200.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0098 - Extension of 12 inch bypass discharge force main piping		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0098	200.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0099 - Remove and replace PCC roadway (9 inch thick)		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0099	300.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0100 - Place and remove temporary asphaltic concrete roadway		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0100	100.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0101 - Remove and replace concrete driveways (6 inch thick)		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0101	250.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0102 - Remove and replace concrete sidewalks (4 inch thick)		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0102	500.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0103 - Site specific traffic control device plan		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0103	5.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__	0104 - Traffic control device set-up		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0104	5.00	EA		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0105 - Traffic control device operation	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0105	5.00	EA	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0106 - Traffic flagman	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0106	100.00	HR	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0107 - Insertion 5.5 MM RCPP in 10 inch force main	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0107	1,000.00	LF	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0108 - Insertion 5.5 MM RCPP in 12 inch force main	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0108	1,000.00	LF	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0109 - Insertion 5.5 MM RCPP in 14 inch force main	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0109	1,000.00	LF	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0110 - Insertion of 8.5 MM RCPP in 18 inch force main	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0110	1,000.00	LF	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0111 - Additional 1.5 mm thickness for 10 inch to 12 inch RCPP	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0111	500.00	LF	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0112 - Additional 1.5 mm thickness for 14 inch to 18 inch RCPP	
	<input type="checkbox"/> Alt. #		
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0112	500.00	LF	
<b>UNIT PRICE EXTENSION (Quantity times Unit Price)</b>			

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053

(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0113 - Rubber tire loader/backhoe	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0113	10.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0114 - 5/8 cubic yard track backhoe	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0114	10.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0115 - 1 cubic yard track backhoe	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0115	10.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0116 - 2 cubic yard rubber tire loader	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0116	10.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0117 - 2 cubic yard track backhoe	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0117	10.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0118 - D-4 dozer	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0118	10.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0119 - 35 Ton Mobile Crane	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0119	10.00	DY	

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0120 - Chain saw	<input type="checkbox"/> Alt.#__
<b>REF NO.</b>	<b>QUANTITY</b>	<b>UNIT OF MEASURE</b>	<b>UNIT PRICE</b>
0120	10.00	DY	

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0121 - Multi-purpose saw <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0121	10.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0122 - Small tools <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0122	10.00	DY		

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid      0123 - Pick-up truck <input checked="" type="checkbox"/> Alt. # <u>2</u>			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0123	10.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0124 - Utility truck <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0124	10.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0125 - Single axle truck <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0125	10.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0126 - Tandem axle dump truck <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0126	10.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0127 - Welding truck complete with 200A welder and torch set <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0127	10.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0128 - Small gasoline wacker plate approximately 24 inch x 24 inch <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0128	10.00	DY		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0129 - Construction water meter and 100 feet of 1-1/2 inch hose <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0129	10.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0130 - Low boy <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0130	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0131 - Foreman <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0131	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0132 - Operator <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0132	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0133 - Pipe Layer <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0133	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0134 - Laborer <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0134	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0135 - Welder <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0135	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0136 - Welder's Helper <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0136	80.00	HR		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0137 - Pipe fitter <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0137	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0138 - Pipe Fitter's Helper <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0138	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0139 - Carpenter <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0139	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0140 - Truck Driver <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0140	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0141 - Data Entry Clerk <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0141	20.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0142 - Custom software modifications and report writing (post certification) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0142	10.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0143 - Communication Radios <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0143	20.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0144 - Dispatcher <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0144	80.00	HR		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00133558

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**ONE YEAR PRE-PLACED EMERGENCY CONTRACT  
FOR POINT REPAIR/LINING. EMERGENCY  
SEWER RECONSTRUCTION & CLEANING OF  
EXISTING SANITARY SEWERS FOR THE DEPT.**

(Owner to provide name of project  
and other identifying information)

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices.  
Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0145 - Journeyman Electrician <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0145	80.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0146 - Slab Sodding <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0146	1,500.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0147 - unforeseen Work <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
0147	1.00	JOB		

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid <input type="checkbox"/> Alt. # ____			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



## **CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

---

INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT \_\_\_\_\_, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

---

**SECRETARY-TREASURER**

---

**DATE**

## **Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*

**Public Works Bid**

**AFFIDAVIT**

**STATE OF** \_\_\_\_\_

**PARISH/COUNTY OF** \_\_\_\_\_

BEFORE ME, the undersigned authority, personally came and appeared: \_\_\_\_\_  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized \_\_\_\_\_ of \_\_\_\_\_ (Entity),  
the party who submitted a bid in response to Bid Number \_\_\_\_\_, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** \_\_\_\_\_ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

**Choice B** \_\_\_\_\_ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- (a) Public bribery (R.S. 14:118)
- (b) Corrupt influencing (R.S. 14:120)
- (c) Extortion (R.S. 14:66)
- (d) Money laundering (R.S. 14:230)



A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

*[The remainder of this page is intentionally left blank.]*

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).

\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Printed Name of Notary

\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires \_\_\_\_\_.

# Bid Bond

An Electronic Bid Bond must be submitted with this bid, through one of the respective clearing houses at [www.jeffparish.net](http://www.jeffparish.net) or [www.centralbidding.com](http://www.centralbidding.com). To access the bonding companies on Central Bidding, hover over the "Central Bidding" link at the top of the page and select the "Bid Bonds" link.

The electronic bid bond number is to be placed in the required section listed on the standard envelope. Scanned copies of bid bonds will not be accepted with your submission.

**\$41.6 Billion**

**38,136 Bid Opportunities**

**18,123 Vendors**

**568 Agencies**

**Browse Thousands of Public Bids today!**

Central Bidding founded in 2001, is one of the largest providers of electronic bidding services to public and private buying entities. Vendors have trusted Central Bidding to securely deliver more than \$41.6 Billion worth of electronic bids for more than 400 buying entities since their founding. Central Bidding works under exclusive contract with each of these buying entities and in each instance Central Bidding is the only official electronic location to receive the bids documents, the automated updates and allowance of electronic bids.

[Learn More](#)

<https://www.centralauctionhouse.com/central-bidding-bid-bonds/>



**Designation of Construction Contractor  
as Agent of a Governmental Entity  
Sales Tax Exemption Certificate**

\_\_\_\_\_, an agency of the United States government, or an agency, board, commission, or instrumentality of the State of Louisiana or its political subdivisions, including parishes, municipalities and school boards, does hereby designate the following contractor as its agent for the purpose of making sales tax exempt purchases on behalf of the governmental body:

Name of Contractor		
Address		
City	State	ZIP

This designation of agency shall be effective for purchases of component construction materials, taxable services and leases and rentals of tangible personal property for the following named construction project:

Construction Project	Contract Number
----------------------	-----------------

This designation and acceptance of agency is effective for the period

Beginning Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
-----------------------------	-----------------------

Purchases for the named project during this period by the designated contractor shall be considered as the legal equivalent of purchases directly by the governmental body. Any materials purchased by this agent shall immediately, upon the vendor's delivery to the agent, become the property of this government entity. This government entity, as principal, assumes direct liability to the vendor for the payment of any property, services, leases, or rentals made by this designated agent. This agreement does not void or supersede the obligations of any party created under any construction contract related to this project, including specifically any contractual obligation of the construction contractor to submit payment to the vendors of materials or services for the project.

This contractor-agent is not authorized to delegate this purchasing agency to others; separate designations of agency by this governmental entity are required for each contractor or sub-contractor who is to purchase on behalf of this governmental entity. The undersigned hereby certify that this designation is the entirety of the agency designation agreement between them. In order for a purchase for an eligible governmental entity through a designated agent to be eligible for sales tax exemption, the designation of agency must be made, accepted, and disclosed to the vendor before or at the time of the purchase transaction.

Designation of Agency			Acceptance of Agency		
Signature of Authorized Designator		Date (mm/dd/yyyy)	Signature of Contractor or Subcontractor Authorized Acceptor		Date (mm/dd/yyyy)
Name of Authorized Designator			Name of Contractor's or Subcontractor's Acceptor		
Name of Governmental Entity			Name of Contractor		
Address			Address		
City	State	ZIP	City	State	ZIP

This designation of agency form, when properly executed by both the contractor and the governmental entity, shall serve as evidence of the sales tax exempt status that has been conferred onto the contractor. No other exemption certificate form is necessary to claim exemption from sales taxes. The agency agreement evidenced by this sales tax exemption certificate must be implemented at the time of contract execution with the governmental entity. The contract between the governmental entity and his agent must contain provisions to authenticate the conferment of agency.





# JEFFERSON PARISH

## DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG  
PARISH PRESIDENT

RENNY SIMNO  
DIRECTOR

September 2020

### **Changes to Jefferson Parish Bidding Information**

The Jefferson Parish Purchasing Department would like to make vendors aware of the following changes:

**Total Bid Price Must Include the Cost of Naming Jefferson Parish as Additional Insured:**

Bidder acknowledges that Bidder recovered the cost of any required insurance in the contract price as required by La.R.S. 9:2780.1 and that Bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson Parish harmless and that Bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that Bidder has obtained.

**Electronic Procurement:** Beginning November 1, 2020, Jefferson Parish will no longer accept manual bid submissions; and will only accept bid submissions electronically via our e-Procurement system, Central Bidding. Central Bidding can be accessed by visiting either [www.centralbidding.com](http://www.centralbidding.com) or [www.jeffparishbids.net](http://www.jeffparishbids.net). All bidders will be required to register with Central Bidding. Jefferson Parish vendors are able to register for free by accessing the following link:  
<https://www.centrauctionhouse.com/registration.php>.

**Probable Construction Cost:** Per Jefferson Parish Administrative Policy, the probable construction cost is not revealed in the Jefferson Parish Bidding Documents. Jefferson Parish Administrative Policy has changed and a range of the probable construction cost will be stated in the Jefferson Parish bidding document, entitled Important Notice to All Bidders – Bid Requirements. Per Louisiana Public Bid Law, the probable construction cost will be read at the bid opening.

**Insurance Requirement:** All bidders must provide proof of valid insurance in the required amounts as stated in the Standard Insurance Requirements for bidding purposes. Failure to provide the proof of valid insurance in all of the required coverage amounts will result in bid rejection.

GENERAL GOVERNMENT BLDG. – 200 DERBIGNY ST., SUITE 4400, GRETNA, LA 70053  
OFFICE 504.364.2678

JOSEPH S. YENNI BLDG. – 1221 ELMWOOD PARK BLVD., SUITE 404, JEFFERSON, LA 70123  
OFFICE 504.364.2678

EMAIL: [PURCHASING@JEFFPARISH.NET](mailto:PURCHASING@JEFFPARISH.NET) WEBSITE: [WWW.JEFFPARISH.NET](http://WWW.JEFFPARISH.NET)